



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution since 2010)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I),

An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

2021 Admitted VIII-Sem internship details A.Y 2024-2025

S.No	Year and Section	Roll Number	Name of the student	Name of the Organization	Address of Organization	Mode of Internship	Duration of internship	Received stipend or not	Total Amount of stipend you received during internship.	Starting date of internship	Ending date of Internship
1	IV-CSE-A	21761A0501	Abdul Shafi	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
2	IV-CSE-A	21761A0502	Alasandalapalli Rakesh Kumar	TARAS Systems And Solutions	Bengalure	Hybrid	16 Weeks	No		27-12-2025	17-04-2025
3	IV-CSE-A	21761A0503	Athunuru Vijaya	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
4	IV-CSE-A	21761A0504	21761A0504	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
5	IV-CSE-A	21761A0505	Ballagiri Kavya	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
6	IV-CSE-A	21761A0506	Bande Nikhil	Pegasystems	Bangalore	Offline	16 Weeks	No		30-09-2023	30-01-2025
7	IV-CSE-A	21761A0507	BANDHICHODU VENKATA VENKAT	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
8	IV-CSE-A	21761A0508	Bapathu pravallika	TARAS Systems And Solutions	Bengalure	Hybrid	16 Weeks	No		01-11-2024	30-04-2025
9	IV-CSE-A	21761A0509	Bobbara Pardhasaradhi Naidu	Pegasystems	Bangalore	Online	16 Weeks	No		16-12-2024	29-01-2025

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10	IV-CSE-A	21761A0510	Bontu Sravya	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
11	IV-CSE-A	21761A0511	Borra Venkata Praveen	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		26-12-2024	17-04-2025
12	IV-CSE-A	21761A0512	Boyanapalli Likesh	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
13	IV-CSE-A	21761A0513	cheruku vishwanath	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No	0	16-12-2024	12-04-2025
14	IV-CSE-A	21761A0514	Ch.Joshna	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
15	IV-CSE-A	21761A0515	Dheeravath Saikrishna	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
16	IV-CSE-A	21761A0516	Uday Kiran Gaddagunta	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
17	IV-CSE-A	21761A0517	Gorantla Thriveni	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Hybrid	More than 16 Weeks	No		24-12-2024	10-04-2025
18	IV-CSE-A	21761A0518	GUDURU SRINIVASA REDDY	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
19	IV-CSE-A	21761A0519	Harshita Akurathi	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
20	IV-CSE-A	21761A0520	SAIKUMAR IKA	L-CUBE INNOVATIVE SOLUTIONS PVT. LTD.	Anna Nagar West, Chennai - 600 040	Offline	16 Weeks	Yes	21,400/- CTC Per Month	13-02-2025	13-06-2025
21	IV-CSE-A	21761A0521	Jajula Pujitha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
22	IV-CSE-A	21761A0522	Jalarapu Vaishnavi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025

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23	IV-CSE-A	21761A0523	Anand Kumar Jammula	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	07-04-2025
24	IV-CSE-A	21761A0524	Hemasri Javvaji	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
25	IV-CSE-A	21761A0526	jonnadula manasa	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
26	IV-CSE-A	21761A0527	k venkata lakshmi prasanna	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
27	IV-CSE-A	21761A0528	Kanchi Keerthika	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
28	IV-CSE-A	21761A0529	Kanchi Pavithra	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2025	12-04-2025
29	IV-CSE-A	21761A0530	KARRA LEELA SASANK	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
30	IV-CSE-A	21761A0531	Kasireddy Aswini	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
31	IV-CSE-A	21761A0532	K.Sravani Bai	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
32	IV-CSE-A	21761A0533	Kona Likhitha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
33	IV-CSE-A	21761A0534	Kondru Brahmanaidu	Cognizant Technology Solutions India Pvt Ltd.	Rachenahalli, Bangalore	Offline	16 Weeks	Yes	36000	23-01-2025	03-04-2025
34	IV-CSE-A	21761A0535	Kota Tirupathi Rao	Glenwood Systems	Chennai	Offline	16 Weeks	Yes		13-02-2025	13-06-2025
35	IV-CSE-A	21761A0536	Maddineni Nanda Kishore	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		02-01-2025	18-04-2025
36	IV-CSE-A	21761A0537	Maddireddy Tejaswini	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	More than 16 Weeks	No		16-12-2024	12-04-2025

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37	IV-CSE-A	21761A0538	Madugula Vara Lakshmi	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
38	IV-CSE-A	21761A0539	M.Roopanya	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		17-12-2024	17-04-2025
39	IV-CSE-A	21761A0540	Jogendra Kumar Moka	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	17-04-2025
40	IV-CSE-A	21761A0541	Munganti Sravani	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
41	IV-CSE-A	21761A0542	Pabbisetty Tomala Durga Sai Ram	Cognizant Technology Solutions India Pvt Ltd.	Siruseri, Chennai	Offline	16 Weeks	Yes	30000	28-01-2025	24-04-2025
42	IV-CSE-A	21761A0543	Manoj Kumar	Pennant Technologies Pvt Ltd	Vizag	Offline	More than 16 Weeks	Yes	12500	20-01-2025	20-07-2025
43	IV-CSE-A	21761A0544	Payda Jai Durga Lakshmi	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
44	IV-CSE-A	21761A0545	Polothu Eswar Yadav	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No	0	16-12-2024	12-04-2025
45	IV-CSE-A	21761A0546	Pulimaddi Vijaya Lakshmi	Divami Design Labs Pvt. Ltd.,	Hitech City, Gachibowli, Hyderabad	Offline	More than 16 Weeks	Yes	50k	16-12-2024	26-06-2025
46	IV-CSE-A	21761A0547	Rajanala Leela Sai Pavan	TARAS Systems And Solutions	Bengalure	Hybrid	16 Weeks	No	No	27-12-2024	17-04-2025
47	IV-CSE-A	21761A0548	Rapaka Syamala	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
48	IV-CSE-A	21761A0549	R.Shynesh	Raparla Shynesh	Vijayawada	Online	16 Weeks	No	-	16-12-2024	12-04-2025
49	IV-CSE-A	21761A0550	Sanaka Vijayalakshmi	Cognizant Technology Solutions India Pvt Ltd.	Rachenahalli, Bangalore	Offline	More than 16 Weeks	Yes	12000 per month	23-01-2025	31-07-2025

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50	IV-CSE-A	21761A0551	Seelam Mohith Reddy	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
51	IV-CSE-A	21761A0552	Shaik karishma	TARAS Systems And Solutions	Bengalure	Hybrid	16 Weeks	No		01-11-2024	30-04-2025
52	IV-CSE-A	21761A0553	Shaik shareef	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		26-12-2024	26-06-2025
53	IV-CSE-A	21761A0554	Sigirisetty Jyothika	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
54	IV-CSE-A	21761A0555	Tatikonda poornima	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
55	IV-CSE-A	21761A0556	Thota Anjibabu	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
56	IV-CSE-A	21761A0557	Thota Gopisankar	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
57	IV-CSE-A	21761A0558	Vallepu Veerendra Nadh	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
58	IV-CSE-A	21761A0560	VANTIKAKA KESAVA CHARI	Pennant Technologies Pvt Ltd	Vishakapatnam	Offline	More than 16 Weeks	Yes	75000	20-01-2025	20-07-2025
59	IV-CSE-A	21761A0561	SOMA SUNDARA REDDY VARIKUTI	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	27-04-2025
60	IV-CSE-A	21761A0562	Ravi Krishna Reddy Vemireddy	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	17-04-2025
61	IV-CSE-A	21761A0563	Vemuri Jayasri	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
62	IV-CSE-A	21761A0564	Vunnam Deepthi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025

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63	IV-CSE-A	21761A0565	Yaramala Anitha Reddy	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
64	IV-CSE-A	21761A0566	Y.Chinmaya lahari	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
65	IV-CSE-A	22765A0501	Bandi.Yamuna	TARAS Systems And Solutions	Bengalure	Hybrid	More than 16 Weeks	No		27-12-2024	17-04-2025
66	IV-CSE-A	22765A0502	GALLA DHANUSHYA	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
67	IV-CSE-A	22765A0503	Kandula Tejasai	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
68	IV-CSE-A	22765A0504	Keli Lasya Sri	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
69	IV-CSE-A	22765A0505	SEELAM PAUL JASHUVA	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	16-04-2025
70	IV-CSE-A	22765A0506	Thota Naga Kiran Mouli	Pegasystems	Bangalore	Offline	16 Weeks	No		30-09-2024	30-01-2025
71	IV-CSE-B	21761A0567	Anam Harshini	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		26-12-2024	02-04-2025
72	IV-CSE-B	21761A0568	Avanapu Hemanth Manikanta	ZAVEN IT SOLUTIONS	Hyderabad	Hybrid	16 Weeks	No		07-01-2025	15-04-2025
73	IV-CSE-B	21761A0569	Swapna Badamganti	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
74	IV-CSE-B	21761A0570	Banavathu Siva Rani	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	More than 16 Weeks	No		16-12-2024	12-04-2025
75	IV-CSE-B	21761A0571	Banavathu Vamsi Nayak	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025

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76	IV-CSE-B	21761A0572	Bandaru Gracy	Cognizant Technology Solutions India Pvt Ltd.	Siruseri, Chennai	Offline	More than 16 Weeks	Yes	36,000	23-01-2025	19-06-2025
77	IV-CSE-B	21761A0573	BATHULA MALYADRI	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
78	IV-CSE-B	21761A0574	Bathula Naga Siva Prasad	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
79	IV-CSE-B	21761A0575	Bekkam Lohitha Shri	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
80	IV-CSE-B	21761A0576	Usha Sravanthi Bethampudi	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	27-06-2025
81	IV-CSE-B	21761A0577	BODDU YASWANTH	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
82	IV-CSE-B	21761A0578	BOGASAMUDRA M V PAVAN KUMAR REDDY	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		26-12-2024	26-04-2025
83	IV-CSE-B	21761A0579	BOGIREDDY SAIPRIYA	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
84	IV-CSE-B	21761A0580	Bollineni Hemani	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
85	IV-CSE-B	21761A0581	Challa Deena vamsi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
86	IV-CSE-B	21761A0582	Chebrolu Sai Bhargavi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
87	IV-CSE-B	21761A0583	CHUNDURU VENKATA SAI REVANTH	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
88	IV-CSE-B	21761A0584	Lakshmi Durga Bhavya Sri Dara	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
89	IV-CSE-B	21761A0585	Deekollu Venkata Harshavardhan	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025

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90	IV-CSE-B	21761A0586	EDARA AVINASH	Glenwood systems	Anna nagar, chennai	Offline	16 Weeks	Yes	21,400	13-02-2025	13-06-2025
91	IV-CSE-B	21761A0587	Ganta Mercy	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		17-12-2024	17-04-2025
92	IV-CSE-B	21761A0588	Gollapothu Navya Sri	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		31-12-2024	30-04-2025
93	IV-CSE-B	21761A0589	Gunja Naga Nikhilesh Kumar	Diligent Risk Solutions	Chennai,	Offline	More than 16 Weeks	Yes	10000	05-01-2025	18-04-2025
94	IV-CSE-B	21761A0590	JAGGINENI GANESH	Pennant Technologies Pvt Ltd	Vishakapatnam	Offline	More than 16 Weeks	Yes	12500	20-01-2025	20-07-2025
95	IV-CSE-B	21761A0591	JAMALAPURAPU NAVEEN	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
96	IV-CSE-B	21761A0592	Kambhampati Tejaswini	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
97	IV-CSE-B	21761A0593	Kasaragadda sampath	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		18-12-2023	17-04-2025
98	IV-CSE-B	21761A0594	KATTA GAYATHRI	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
99	IV-CSE-B	21761A0595	Kavula Bindusha	Cognizant Technology Solutions India Pvt Ltd.	Chil Sez IT Park, Coimbatore	Offline	16 Weeks	Yes	23000	28-01-2025	28-05-2025
100	IV-CSE-B	21761A0596	Siva Gopi Kolu	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
101	IV-CSE-B	21761A0597	KONA BHAVANNARAYANA	Cognizant Technology Solutions India Pvt Ltd.	Siruseri, Chennai	Offline	16 Weeks	Yes	43200	28-01-2025	19-05-2025
102	IV-CSE-B	21761A0598	Koyyagura Sukumar Bose	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
103	IV-CSE-B	21761A0599	Kudala Obulesh	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025

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104	IV-CSE-B	21761A05A0	KUMBRIKA PRITHVIRAJ	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
105	IV-CSE-B	21761A05A1	Kurapati Sunangitha	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		20-12-2024	16-04-2025
106	IV-CSE-B	21761A05A2	Laghuvarapu Jyothi Prakash	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
107	IV-CSE-B	21761A05A3	Laveti Manisha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		18-01-2025	19-04-2025
108	IV-CSE-B	21761A05A4	Malle Likitha	Zen Technologies Pvt Ltd.,	Hyderabad	Offline	More than 16 Weeks	Yes	4000	28-01-2025	30-05-2025
109	IV-CSE-B	21761A05A5	MARRAPU TEJA PRAKASH	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
110	IV-CSE-B	21761A05A6	Medam Anusha	Kuantum Krux Private Limited	Guntur	Offline	16 Weeks	No		07-01-2025	10-04-2025
111	IV-CSE-B	21761A05A7	Mekala Swathi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
112	IV-CSE-B	21761A05A8	Mohammed Jafirin	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
113	IV-CSE-B	21761A05A9	Moodu Nandini	Kuantum Krux Private Limited	Guntur	Hybrid	16 Weeks	Yes	6000	07-01-2025	10-04-2025
114	IV-CSE-B	21761A05B0	Mudunuru Sumagna	Kuantum Krux Private Limited	Guntur	Offline	16 Weeks	Yes	6000	07-01-2025	10-04-2025
115	IV-CSE-B	21761A05B1	Mulakalapalli Gopichand	TARAS Systems And Solutions	Bengalure	Offline	16 Weeks	No		27-12-2024	17-04-2025
116	IV-CSE-B	21761A05B2	MUTYALA SAI KEERTHI	Segura Invendors Pvt.Ltd.	Kakinada	Hybrid	16 Weeks	Yes	18000	03-01-2025	17-04-2025
117	IV-CSE-B	21761A05B3	NELAPATI SUNIL	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
118	IV-CSE-B	21761A05B6	RAJAVARAPU NIHARIKA	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025

S.No	Year and Section	Roll Number	Name of the student	Name of the Organization	Address of Organization	Mode of Internship	Duration of internship	Received stipend or not	Total Amount of stipend you received during internship.	Starting date of internship	Ending date of Internship
119	IV-CSE-B	21761A05B7	Ramisetti Ajay	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
120	IV-CSE-B	21761A05B8	RAVULAPATI KIRANMAI	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2004	17-04-2025
121	IV-CSE-B	21761A05B9	Raya Ravi	Pegasystems	Bangalore	Offline	16 Weeks	No		01-10-2024	30-01-2025
122	IV-CSE-B	21761A05C0	SHAIK FASEEHA TABASSUM	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
123	IV-CSE-B	21761A05C1	Shaik Nagulbi	Kuantum Krux Private Limited	Guntur	Hybrid	16 Weeks	Yes	6000	10-01-2025	11-04-2025
124	IV-CSE-B	21761A05C2	Shaik naveed	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
125	IV-CSE-B	21761A05C3	Somavarapu Bhoomika	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	20-06-2025
126	IV-CSE-B	21761A05C5	Sunkara V V K Shankara Ganapathi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
127	IV-CSE-B	21761A05C6	S.SAINADH	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2025	17-04-2025
128	IV-CSE-B	21761A05C8	TEEMARA SAI	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
129	IV-CSE-B	21761A05C9	Tirumalasetti Suraksha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
130	IV-CSE-B	21761A05D0	Undavalli Vinay Kumar	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
131	IV-CSE-B	21761A05D1	Veesam Sai Sujith	Cognizant Technology Solutions India Pvt Ltd.	Pune	Offline	More than 16 Weeks	Yes	10,800	23-01-2025	20-07-2025
132	IV-CSE-B	21761A05D2	Durga Malleswari Yanamadala	TARAS Systems And Solutions	Bengalure	Offline	16 Weeks	No		12-12-2024	17-04-2025

S.No	Year and Section	Roll Number	Name of the student	Name of the Organization	Address of Organization	Mode of Internship	Duration of internship	Received stipend or not	Total Amount of stipend you received during internship.	Starting date of internship	Ending date of Internship
133	IV-CSE-B	22765A0507	BUDDE DEVAKI	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
134	IV-CSE-B	22765A0508	Chimma Anusha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
135	IV-CSE-B	22765A0509	Mallipudi pujitha nagamani	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No	No	16-12-2024	29-04-2025
136	IV-CSE-B	22765A0510	Mummina Harika	Kuantum Krux Private Limited	Guntur	Hybrid	16 Weeks	Yes	18000	06-01-2025	09-04-2025
137	IV-CSE-B	22765A0511	Pamarthi Venu Anjaneyulu	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
138	IV-CSE-B	22765A0512	Potharlanka Sai Sree Harsha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
139	IV-CSE-C	21761A05D3	Addanki Bindu	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	17-04-2025
140	IV-CSE-C	21761A05D4	Akula Rajendra Kumar	Cognizant Technology Solutions India Pvt Ltd.	R6G9+5VG, Siruseri, Tamil Nadu 603103	Offline	16 Weeks	Yes	43,200/-	28-01-2025	31-05-2025
141	IV-CSE-C	21761A05D5	Alugolu Sneha Latha	Cognizant Technology Solutions India Pvt Ltd.	Chil Sez IT Park, Coimbatore	Offline	16 Weeks	Yes		28-01-2025	28-05-2025
142	IV-CSE-C	21761A05D6	A.Sai Hari Pranav	Pegasystems	Bangalore	Offline	16 Weeks	No		30-09-2024	30-01-2025
143	IV-CSE-C	21761A05D7	Appidi Meghana Sai	Creditsafe Technology Pvt Ltd	Hyderabad,	Offline	More than 16 Weeks	Yes	1,26,000	06-01-2025	04-07-2025
144	IV-CSE-C	21761A05D8	Balasaraswathi Sandesh	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	14-04-2025
145	IV-CSE-C	21761A05D9	BANAVATHU SAI MOUNIKA	Ramchait Technologies pvt limits	Rajahmundry	Offline	More than 16 Weeks	Yes	20,000	06-01-2025	06-05-2025
146	IV-CSE-C	21761A05E0	Bayireddy Manjusha	Pegasystems	Bangalore	Offline	16 Weeks	No		01-10-2024	29-01-2025

S.No	Year and Section	Roll Number	Name of the student	Name of the Organization	Address of Organization	Mode of Internship	Duration of internship	Received stipend or not	Total Amount of stipend you received during internship.	Starting date of internship	Ending date of Internship
147	IV-CSE-C	21761A05E1	Bhairi.Sonasri	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
148	IV-CSE-C	21761A05E2	Bhogireddy Rupa Sri	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
149	IV-CSE-C	21761A05E4	Bommina Srinivasarao	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
150	IV-CSE-C	21761A05E5	Chatla Vijay Kumar	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
151	IV-CSE-C	21761A05E6	Chilukuri Jyothi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		24-12-2024	17-04-2025
152	IV-CSE-C	21761A05E7	Devarapalli Bhavana Jasmine	TARAS Systems And Solutions	Bengalure	Hybrid	16 Weeks	No		27-12-2024	17-04-2025
153	IV-CSE-C	21761A05E8	Jnana Prasanna Dhanani	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	More than 16 Weeks	No		16-12-2024	12-04-2025
154	IV-CSE-C	21761A05E9	Dirisala Chaitanya Nandini	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
155	IV-CSE-C	21761A05F0	Dumpa Sushma Reddy	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
156	IV-CSE-C	21761A05F1	Hygriva Rao Duppala	Pegasystems	Bangalore	Offline	16 Weeks	No		05-12-2024	28-01-2025
157	IV-CSE-C	21761A05F2	Gade Lakshmi Prasanna	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
158	IV-CSE-C	21761A05F3	Gali Karthik	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	17-04-2025
159	IV-CSE-C	21761A05F4	Goli Ramitha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
160	IV-CSE-C	21761A05F5	Golla Akshay	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025

S.No	Year and Section	Roll Number	Name of the student	Name of the Organization	Address of Organization	Mode of Internship	Duration of internship	Received stipend or not	Total Amount of stipend you received during internship.	Starting date of internship	Ending date of Internship
161	IV-CSE-C	21761A05F6	GOLTHI MADHU APPALA NARASIMHA	Cognizant Technology Solutions India Pvt Ltd.	Rachenahalli, Bangalore	Offline	More than 16 Weeks	Yes	20052	23-01-2025	20-05-2025
162	IV-CSE-C	21761A05F7	Gundala Taruni	Pegasystems	Bangalore	Offline	16 Weeks	No		01-10-2024	29-01-2025
163	IV-CSE-C	21761A05F8	Imandi Vasavi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
164	IV-CSE-C	21761A05F9	Kandimalla Srinivas	Snovasys Software Solutions LTD	Ongole, Andhra Pradesh	Offline	16 Weeks	Yes	10,000	10-02-2025	10-04-2025
165	IV-CSE-C	21761A05G0	Kathoju Manoj	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
166	IV-CSE-C	21761A05G1	KILARI SASI KUMAR	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
167	IV-CSE-C	21761A05G2	KOKKILIGADDA PAVAN KUMAR	PALTECH	Hyderabad	Offline	More than 16 Weeks	Yes	60000	26-12-2024	30-06-2025
168	IV-CSE-C	21761A05G3	Konatham siva sai Subrahmanyam	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
169	IV-CSE-C	21761A05G4	Kotapati Lakshmi Naga Prasanna	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
170	IV-CSE-C	21761A05G5	Lamu Lakshmi Priyanka	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
171	IV-CSE-C	21761A05G6	LAVANYA KOTTADATTI	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
172	IV-CSE-C	21761A05G7	Lekkala Pavan Sai	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
173	IV-CSE-C	21761A05G8	Manimala Vyasa Rama Surya Kumar	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
174	IV-CSE-C	21761A05G9	Mannam Sai Anitha	Divami Design Labs Pvt. Ltd.,	Hyderabad	Offline	More than 16 Weeks	Yes	20,000	16-12-2024	30-06-2025

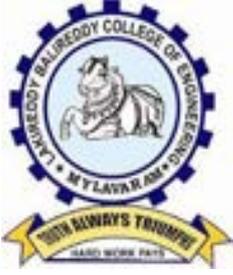
S.No	Year and Section	Roll Number	Name of the student	Name of the Organization	Address of Organization	Mode of Internship	Duration of internship	Received stipend or not	Total Amount of stipend you received during internship.	Starting date of internship	Ending date of Internship
175	IV-CSE-C	21761A05H0	Maram Gayathri	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
176	IV-CSE-C	21761A05H1	Matta Durga sravani	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	More than 16 Weeks	No		16-12-2024	12-04-2025
177	IV-CSE-C	21761A05H2	MERAJYOTHU VENKATESWARL U NAIK	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
178	IV-CSE-C	21761A05H3	Mohammad Abdul Samad	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
179	IV-CSE-C	21761A05H4	Mokkapati siva sai saranya	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
180	IV-CSE-C	21761A05H5	Mullangi Raju	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
181	IV-CSE-C	21761A05H6	Namburi Prasanth	Pegasystems	Bangalore	Offline	16 Weeks	No		01-11-2024	01-03-2025
182	IV-CSE-C	21761A05H7	Pasalapudi Kasi Viswesh	Divami Design Labs Pvt. Ltd.,	Hyderabad, Telangana	Offline	More than 16 Weeks	Yes	18000	16-12-2024	16-07-2025
183	IV-CSE-C	21761A05H8	Patapalla Geetha Sowjanya	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
184	IV-CSE-C	21761A05H9	Vasanthi Peddi	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	17-04-2025
185	IV-CSE-C	21761A05I0	Peddireddy Varshitha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-11-2024	17-04-2025
186	IV-CSE-C	21761A05I1	P. Ganga Bhavani	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
187	IV-CSE-C	21761A05I2	Ponnuru Sravya Karthika	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
188	IV-CSE-C	21761A05I4	Sandadi Vamsi Krishna Reddy	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	27-06-2025
189	IV-CSE-C	21761A05I5	Shaik Bashith Ali	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025

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190	IV-CSE-C	21761A05I6	Shaik Mahabunny	Pegasystems	Bangalore	Online	16 Weeks	No		01-10-2024	29-01-2025
191	IV-CSE-C	21761A05I7	SHAIK SAIDA BASHA	Divami Design Labs Pvt. Ltd.,	HiTech City, Gachibowli, Hyderabad	Offline	More than 16 Weeks	Yes	50,000	26-12-2024	26-06-2025
192	IV-CSE-C	21761A05I8	Syed Abdul Aziz Shahid	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
193	IV-CSE-C	21761A05I9	Thumma Madan	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
194	IV-CSE-C	21761A05J0	Tippani Lalith Kumar	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
195	IV-CSE-C	21761A05J1	Tiruveedula charan teja	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
196	IV-CSE-C	21761A05J2	Ummadi Sruthi	TARAS Systems And Solutions	Bengalure	Online	More than 16 Weeks	No		27-12-2024	17-04-2025
197	IV-CSE-C	21761A05J3	VALLABHUNI RAMA RAO	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
198	IV-CSE-C	21761A05J4	Velisella Sravanthi	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
199	IV-CSE-C	21761A05J5	Velpuru Gowthami Manasa	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
200	IV-CSE-C	21761A05J6	Vemireddy Anitha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
201	IV-CSE-C	21761A05J7	Venuturumilli Sri Pragna	Divami Design Labs Pvt. Ltd.,	Gachibowli, Hyderabad	Offline	More than 16 Weeks	Yes	18,000	26-12-2024	26-06-2025
202	IV-CSE-C	21761A05J8	Yanduru Neha	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025
203	IV-CSE-C	21765A0518	T sai yashwanth	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
204	IV-CSE-C	22765A0513	Bakkathatla Nandini	TARAS Systems And Solutions	Bengalure	Online	16 Weeks	No		27-12-2024	17-04-2025

S.No	Year and Section	Roll Number	Name of the student	Name of the Organization	Address of Organization	Mode of Internship	Duration of internship	Received stipend or not	Total Amount of stipend you received during internship.	Starting date of internship	Ending date of Internship
205	IV-CSE-C	22765A0514	Bheemasetti Teja sri	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
206	IV-CSE-C	22765A0515	Maddala Jyothi Prakash	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		12/16/0024	4/12/0025
207	IV-CSE-C	22765A0516	Madu Lakshmi Anjaneya Gayathri Praneeth	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	16 Weeks	No		16-12-2024	12-04-2025
208	IV-CSE-C	22765A0517	Muvvala Gowthami	Dr. Pallam Setti Centre for Research and Technology	Andhra University, Vishakapatnam	Online	16 Weeks	No		24-12-2024	10-04-2025
209	IV-CSE-C	22765A0518	Simhadri Poornima	SkillDzire Technologies Pvt. Ltd	Hyderabad	Online	More than 16 Weeks	No		16-12-2024	12-04-2025

Internship Coordinator
Mr. D. Anil kumar

Head of the Department
Dr. S. Nagarjuna Reddy



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution since 2010)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I),

An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, NTR DIST., A.P.-521 230.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

A.Y 2024-2025

2021 Admitted VIII Sem internship Organization wise Information

S.No	Name of the Organization	Address of Organization	Count
1	Cognizant Technology Solutions India Pvt Ltd.	Chenni, Bangalore, Pune	10
2	Creditsafe Technology Pvt Ltd	HITEC City, Hyderabad	1
3	Diligent Risk Solutions	Chennai	1
4	Divami Design Labs	Hitech City, Gachibowli, Hyderabad	5
5	Dr. Pallam Setti Centre for Research and Technology	Visakhapatnam	13
6	Glenwood Systems	Chennai	2
7	Kuantum Krux Private Limited	Guntur	5
8	L-CUBE INNOVATIVE SOLUTIONS PVT. LTD.	Chennai	1
9	PALTECH	Hyderabad	1
10	Pegasystems	Bangalore	10
11	Pennant Technologies Pvt Ltd	Vizag	3
12	Ramchait Technologies pvt limits	Rajahmundry	1
13	Raparla Shynesh	Vijayawada	1
14	Segura Invendors Pvt.Ltd.	Kakinada	1
15	SkillDzire Technologies Pvt. Ltd	Hyderabad	59
16	Snovasys Software Solutions LTD	Ongole, Andhra Pradesh	1
17	TARAS Systems And Solutions	Bangalore	92

S.No	Name of the Organization	Address of Organization	Count
18	ZAVEN IT SOLUTIONS	Hyderabad	1
19	Zen Technologies Pvt Ltd.,	Hyderabad	1

Internship Coordinator
Mr. D. Anil kumar

Head of the Department
Dr. S. Nagarjuna Reddy



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Abdul Shafi

Enrolled in the **Computer Science and Engineering - 21761A0501**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07463

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

RAKESH KUMAR.A

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5098

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Athunuru Vijaya

Enrolled in the **Computer Science and Engineering - 21761A0503**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05286

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

ATKURU SRI PUJITHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5022

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Ballagiri Kavya

Enrolled in the **Computer Science and Engineering - 21761A0505**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09503

Issued On
12-Apr-2025



Authorized Signature



Certificate Of Achievement

Awarded to
Nikhil Bande

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
February 20, 2025



A handwritten signature in black ink, reading "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer

CERTIFICATE OF COMPLETION

This is to certify that

VENKAT. B.V

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5107

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

B. PRAVALLIKA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5111

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Prasad" or similar.

Director - Operations



Certificate Of Achievement

Awarded to
Pardhasaradhi Naidu Bobbara

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, appearing to read "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer

CERTIFICATE OF COMPLETION

This is to certify that

BONTU SRAVYA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5054

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

BORRA VENKATA PRAVEEN

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



CertificateNo.:TSS5119

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoou".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Likesh Boyanapalli

Enrolled in the **Computer Science and Engineering - 21761A0512**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07618

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Cheruku Vishwanath

Enrolled in the **Computer Science and Engineering - 21761A0513**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07465

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

CH.JOSHNA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5093

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Dheeravath Saikrishna

Enrolled in the **Computer Science and Engineering - 21761A0515**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07403

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Gaddagunta Uday Kiran

Enrolled in the **Computer Science and Engineering - 21761A0516**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07412

Issued On
12-Apr-2025



Authorized Signature



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

GORANTLA THRIVENI

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



DR PALLAMSETTI
CEO & FOUNDER

CERTIFICATE OF COMPLETION

This is to certify that

GUDURU SRINIVASA REDDY

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5055

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Srinivas Reddy".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Harshitha Akurathi

Enrolled in the **Computer Science and Engineering - 21761A0519**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-12498

Issued On
12-Apr-2025



Authorized Signature



L-CUBE INNOVATIVE SOLUTIONS PVT. LTD.

No. 1148, I - Block, 6th Avenue
Anna Nagar West, Chennai - 600 040
Phone : +91-44-26181625, 26185320

APPOINTMENT LETTER

(Strictly confidential)

March 13, 2025

Ika Sai Kumar,
61-2-110, Opp Raghu Road,
Krishnalanka, Distr, Krishna,
Andhra Pradesh - 520 013.

Dear Ika Sai Kumar,

With reference to your application and the subsequent interview you had with us, we are pleased to offer you the position of **Software Engineer** in our Organization. Your appointment will be effective from 13 March, 2025.

You will be on probation for a period of three months and your remuneration **Rs. 21,400/- CTC Per Month (INR 3,00,000 CTC Per Annum)**. Your employment will be confirmed based on your performance by the end of probation period.

Your probation is liable to be extended by a further period of three months or part thereof at the discretion of the Management. During the period of employment with us, if your performance is not satisfactory, your services are liable to be terminated without notice.

You shall be governed by the rules and regulations of the company at all times without exception. You shall be eligible for all statutory provisions according to the laws in force from time to time. This offer is subject to successful completion of the agreement tenure.

The following documents should be submitted to the HR Department as per the required format with the necessary supporting documents within 30 days from the date of acceptance of offer, failing which your offer remains canceled:

1. Service Agreement Document
2. Four passport size & two stamp size photograph
3. ID proof & Address proof (Aadhar and PAN card)
4. Attested copies of Certificate in support of Academic / Technical / Educational Qualifications along with originals for verification.

CERTIFICATE OF COMPLETION

This is to certify that

JAJULA PUJITHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5056

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

J. VAISHNAVI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5112

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Anand Kumar Jammula

Enrolled in the **Computer Science and Engineering - 21761A0523**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05213

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Javvaji Hemasri

Enrolled in the **Computer Science and Engineering - 21761A0524**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07999

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

JONNADULA MANASA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5026

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoou".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

K. VENKATA LAKSHMI PRASANNA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5127

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Venkatesh" or similar.

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

KANCHI KEERTHIKA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5118

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Pavithra Kanchi

Enrolled in the **Computer Science and Engineering - 21761A0529**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Data Science

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-13346

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Karra Leela Sasank

Enrolled in the **Computer Science and Engineering - 21761A0530**

From College **Lakireddy Bali Reddy College Of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Data Science

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-17595

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

KASIREDDY ASWINI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5057

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

KETHAVATH SRAVANI BAI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5097

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

KONA LIKHITHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5091

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



07-Jan-2025

Candidate ID: 33189892

Kondru Brahmanaidu
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Kondru Brahmanaidu**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:



L-CUBE INNOVATIVE SOLUTIONS PVT. LTD.

No. 1148, 1 - Block, 6th Avenue
Anna Nagar West, Chennai - 600 040
Phone : +91-44-26181625, 26185320

APPOINTMENT LETTER

(Strictly confidential)

March 13, 2025

M/s. Thirupathi Rao
143,
Sankaranagar(DSI)
Ardur,
Anna Nagar - 500 013
Tamil Nadu Thirupathi Rao

With reference to your application and the subsequent interview you had with us, we are pleased to offer you the position of **Software Engineer** in our Organization. Your appointment will be effective from 13 March, 2025.

You will be on probation for a period of three months and your remuneration **Rs. 21,400/-** (CTC) per Month(**INR 3,00,000 CTC** Per Annum). Your employment will be confirmed based on your performance by the end of probation period.

Your probation is liable to be extended by a further period of three months or part thereof at the discretion of the Management. During the period of employment with us, if your performance is not satisfactory, your services are liable to be terminated without notice.

You shall be governed by the rules and regulations of the company at all times without exception. You shall be eligible for all statutory provisions according to the laws in force from time to time. This offer is subject to successful completion of the agreement tenure.

The following documents should be submitted to the HR Department as per the required format with the necessary supporting documents within 30 days from the date of acceptance of offer, failing which your offer remains canceled.

1. Service Agreement Document
2. Four passport size & two stamp size photograph
3. ID proof & Address proof (Aadhar and PAN card)
4. Attested copies of Certificate in support of Academic / Technical / Educational Qualifications along with originals for verification

CERTIFICATE OF COMPLETION

This is to certify that

KISHORE MADDINENI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5094

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Maddireddy Tejaswini

Enrolled in the **Computer Science and Engineering - 21761A0537**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Python Course

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09560

Issued On
12-Apr-2025



Authorized Signature



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

MADUGULA VARA LAKSHMI

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



DR PALLAMSETTI
CEO & FOUNDER

CERTIFICATE OF COMPLETION

This is to certify that

M. ROOPANYA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5108

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

MUNGANTI SRAVANI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5028

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Ramu" or similar.

Director - Operations



07-Jan-2025

Candidate ID: 33189890

Tomala Durga Sai Ram Pabbisetty
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Tomala Durga Sai Ram Pabbisetty**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:

Letter of Offer

09 Jan 2025

Dear **MANOJ KUMAR PAGADALA**,

We are pleased to offer you employment for the position of “**Associate software engineer Trainee**”.

As part of the offer, you must undergo **Pre-Employment Apprenticeship** from 20th Jan 2025 for a period of 6 months and during the **Pre-Employment Apprenticeship** period, you will undergo very focused and intensive training across the technical, functional and product framework domains that is customized to meet the organizational needs. During the training period you will be entitled for a stipend of Rs.12,500/-pm for the period of 6 months and on successful completion of your training and the performance during the assessment determine your allocation to the compensation packages of either **4.1lpa** or **5.1lpa** for the first year of your employment and then you will have annual pay increases in line with the three (3) year pay structure and based on the annual performance ratings.

This offer is subjected to the conditions and commitment that you will undergo Apprenticeship diligently and join us as full-time employee without fail. This offer requires you to sign a service agreement that is effective from the Apprenticeship date and the assured/committed duration of three (3) years that will be effective from your date of joining as full time employee.

Please note that your compensation package would be as outlined in Annexure A attached here under and the few of the preparatory actions outlined in **Annexure A**.

You will receive a formal letter of appointment (on probation basis) with all the terms and conditions post joining the organisation.

For any questions or clarifications regarding this offer, please contact HR Team at hr@pennanttech.com or on office number +91 40 42234400.

I hope you will accept this offer of Apprenticeship to employment, thereby allowing me to welcome you as an associate of our Company. Please be advised that this Apprenticeship is governed under the Apprenticeship Act and if you accept the offer you may need to register and follow certain guidelines which will be shared separately.

This offer stands cancelled or void if you didn't confirm back your acceptance by 17th Jan 2025

With best wishes and looking forward to a mutually fruitful association,

For Pennant Technologies Pvt. Ltd.



Ravi Varma Datla
Director, Consulting

I hereby accept this position and agree to be bound by all the terms and conditions mentioned in the Appointment Letter enclosed herewith.

Mr./Ms.

Date:

Pennant Technologies Private Limited

Registered office : Cyber Gateway, Block C, Level 1,
Wing 1, Unit B, L&T Infocity, Hitech City, Madhapur,
Hyderabad-500 081, Telangana, India.

7th Floor, H07, Avance Business Hub,
Phoenix Infocity SEZ, Hitec City 2,
Hyderabad-500 081, Telangana, India.

Plot No. D2, IT Park, Hill No.2, Rishikonda,
Madhurawada, Visakhapatnam-530003,
Andhra Pradesh, India.

Europe :
17 Hanover Square,
London, W1S 1BN, UK



Annexure A - Compensation Details

The below compensation structure will be applicable from your actual date of joining as full time employee.
 Note: **The below table covers both the compensation packages and you are allocated to the higher package based on your performance during the Apprenticeship.**

COMPENSATION STRUCTURE		
Name	MANOJ KUMAR PAGADALA	
Department /Division	Engineering	
Designation	Associate Software Engineer (Trainee)	
Location	Visakhapatnam	
Components of salary	Annual Package 1 - 4.1lpa	Annual Package 1 - 5.1lpa
Basic salary	₹ 1,63,595.00	₹ 1,87,025.00
House Rent Allowance	₹ 65,438.00	₹ 74,810.00
Special Allowance	₹ 98,155.00	₹ 1,12,214.00
Sub-Total	₹ 3,27,188.00	₹ 3,74,049.00
Health Insurance	₹ 5,000.00	₹ 5,000.00
Gratuity	₹ 8,180.00	₹ 9,351.00
PF – Employer	₹ 19,632.00	₹ 21,600.00
Gross	₹ 3,60,000.00	₹ 4,10,000.00
Commitment Pay*	₹ 50,000.00	₹ 1,00,000.00
CTC for 1st Year	₹ 4,10,000.00	₹ 5,10,000.00

* Commitment pay shall be paid out annually

The above salary components shall apply to you for the 2nd and 3rd years as outlined below. However, you need to get the performance rating of “good” which is 3 rating on scale of 5. In addition, Excellent (4) or outstanding (5) performance across the packages shall be rewarded accordingly.

Package	Year 2			Year 3			Total Compensation for 3 years
	CTC	Gross	Commitment Pay	CTC	Gross	Commitment Pay	
1	₹ 5,00,000.00	₹ 4,50,000.00	₹ 50,000.00	₹ 7,90,000.00	₹ 7,40,000.00	₹ 50,000.00	₹ 17,00,000.00
2	₹ 6,00,000.00	₹ 5,00,000.00	₹ 100,000.00	₹ 9,00,000.00	₹ 8,00,000.00	₹ 100,000.00	₹ 20,00,000.00



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

PAYDA JAI DURGA LAKSHMI

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Polothu Eswar Yadav

Enrolled in the **Computer Science and Engineering - 21761A0545**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07470

Issued On
12-Apr-2025



Authorized Signature

Intern - Offer of Employment

Pulimaddi Vijaya Lakshmi
Software Engineer - Intern

Dear *Vijaya Lakshmi*,

Following our discussions, we are pleased to offer you the position of "Software Engineer-Intern" with Divami Design Labs Pvt. Ltd., subject to your acceptance of the terms and conditions contained herein.

Compensation

You will be joining as an intern starting on **16th December 2024**, for a duration of 6 to 9 months or until the completion of your graduation. The stipend would be Rs.20,000/- of this, 10% will be deducted as TDS (Tax Deducted at Source) and remitted to the appropriate tax authority on your behalf every month.

Post that, subject to your performance, a decision on Annual CTC will be made in the range of 4.5 Lakhs - 6 Lakhs per annum.

Prerequisite

You have to submit all the scanned copies of your originals within a week of your joining. Your appointment will be subject to verification of your certificates against the information provided by you in your resume and during the interview.

Place of work

Please report to our office at 3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032 on/before 16th December, 2024 at 10.00 AM. Your initial place of work would be at the above mentioned office and we may also depute you to any work, or assign your services to any of our existing or future affiliates, clients or associates.

Working Week

The normal working days per week and working hours per day of Divami are from Monday to Friday and from 9.30 A.M to 6.30 P.M. The normal working days and normal hours of work can be changed by the Company to suit the exigencies of work programmes and emergencies. You can adjust your working hours on a normal working day for effective achievement of business

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Design Labs Pvt. Ltd.

100th Anniversary | 1973-2023 | 100th Anniversary | 1973-2023

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goals, along with your personal requirements. Every intern should work for a minimum of 40 hours at work (excluding lunch break) each week.

Holidays and Leaves

Holidays would be as per the list declared by Divami from time to time.

As an intern of Divami you will be entitled to 12 days of multipurpose leave per annum.

Notice Period

Either party may terminate the employment agreement, for any reason or on convenience, by giving 15 days or notice pay in lieu of to the other party without assigning any reason whatsoever.

Divami reserves the right to terminate your internship:

- At any time for any reason, with or without cause, by giving 15 days notice or notice pay in lieu thereof
- With immediate effect, if you are negligent or irregular or inefficient in the discharge of your duties; if you commit a breach of any of the obligations to be observed and performed by you in relation to the rules and regulations of the Company notified from time to time;
- With immediate effect, if you are guilty of misconduct as judged by the Company.

General Regulations

- You are expected to devote your entire working time, energy, and attention exclusively to the work of Divami, and should not take up any other direct or indirect business or work, while in employment, unless permitted in writing by the Company.
- You shall be responsible for the safekeeping of all Company property that is being used by you or left in your custody and shall upon the request of the Company, You shall be required to ensure that you shall not be sharing or using Divami's proprietary information in any media or form with non-employees of Divami or its customers; during your employment or post your employment, unless you have written permission from Divami.
- All intellectual property rights in India and abroad, for the full term of such rights, in any "work" or in any other matter conceived/created/made fully or in part by you during your period of employment with Divami, shall stand automatically an exclusive property of the Company and shall be disclosed in writing promptly to the Company. You shall also at the cost of the Company execute and register, all documents required, statutorily or otherwise by the Company, to further confirm the above ownership rights in favor of the Company.

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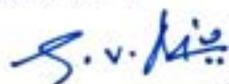
- You shall execute the Security and Confidentiality Regulations of the Company with respect to protection of confidential information of the Company.
- You understand that if you are deputed on any work/assignment/project at locations specified by customers, you will gain extensive knowledge and information of customers' business and their specific requirements and skills, which would be of great value to the Company, and which knowledge, information and skills the Company would want to utilize on completion of such deputation. Therefore, you agree that after completion of such deputation for a duration of more than 45 days, you continue in employment with the Company for a period of at least 6 months from the end of such deputation.
- During your employment with Company and for a period of one year immediately following termination of your internship, for any reason whatsoever, you shall not:
 - o Directly or indirectly contact, seek or accept employment with any third party (including past, present or prospective customers) that you have interacted with, or have provided any services to whether directly or indirectly during the course of your employment with the company. You acknowledge that any violation of this obligation may result in legal proceedings for actual damages ensued to the Company; or
 - o Directly or indirectly, contact, recruit, solicit or hire any of the employees of the Company, or induce or attempt to induce any employee of the Company to terminate his/her employment with, or otherwise cease or damage his/her relationship with the Company.

If you agree to these terms and conditions, kindly confirm your acceptance of the Intern offer by signing and returning the duplicate copy of this letter for my attention within a week from the date of receipt of this letter or before the joining date, whichever is earlier.

We at Divami are impressed by your skills and hope that you shall help us build an even more successful Company, while developing an excellent career for yourself.

If you have any questions, please do not hesitate to call us. We welcome you to the Divami family and wish you a rewarding career over the years to come.

Yours sincerely,



V R R G Raju Gottumukkala
Head of Delivery

divami

10th November 2024

10th November 2024, Strictly Private and Confidential
Ref: LTR/24/2124
www.divami.com

I have read and understood the terms and conditions of the above Appointment Offer and I unconditionally accept the same without any reservations whatsoever.

Signed by: P. VijayaLakshmi

Name: Pulimaddi Vijaya Lakshmi

Date: 03-12-2024

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CERTIFICATE OF COMPLETION

This is to certify that

RAJANALA LEELA SAI PAVAN

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5102

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

R. SYAMALA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5092

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

R.Shynesh

Enrolled in the **Computer Science and Engineering - 21761A0549**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07608

Issued On
12-Apr-2025



Authorized Signature



07-Jan-2025

Candidate ID: 33189296

Sanaka Vijayalakshmi
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Sanaka Vijayalakshmi**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Seelam Mohith Reddy

Enrolled in the **Computer Science and Engineering - 21761A0551**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09843

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

SHAIK KARISHMA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5018

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

SHAREEF.S.K

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5100

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Sigirisetty Jyothika

Enrolled in the **Computer Science and Engineering - 21761A0554**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Data Science

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09174

Issued On
12-Apr-2025



Authorized Signature



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

TATIKONDA POORNIMA

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER

CERTIFICATE OF COMPLETION

This is to certify that

ANJIBABU.THOTA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5080

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Anjibabu Thota".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Thota Gopisankar

Enrolled in the **Computer Science and Engineering - 21761A0557**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09574

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Vallepu Veerendra Nadh

Enrolled in the **Computer Science and Engineering - 21761A0558**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09579

Issued On
12-Apr-2025



Authorized Signature

Letter of Offer

09 Jan 2025

Dear **Kesava Chari Vantikaka**,

We are pleased to offer you employment for the position of “**Associate software engineer Trainee**”.

As part of the offer, you must undergo **Pre-Employment Apprenticeship** from 20th Jan 2025 for a period of 6 months and during the **Pre-Employment Apprenticeship** period, you will undergo very focused and intensive training across the technical, functional and product framework domains that is customized to meet the organizational needs. During the training period you will be entitled for a stipend of Rs.12,500/-pm for the period of 6 months and on successful completion of your training and the performance during the assessment determine your allocation to the compensation packages of either **4.1lpa** or **5.1lpa** for the first year of your employment and then you will have annual pay increases in line with the three (3) year pay structure and based on the annual performance ratings.

This offer is subjected to the conditions and commitment that you will undergo Apprenticeship diligently and join us as full-time employee without fail. This offer requires you to sign a service agreement that is effective from the Apprenticeship date and the assured/committed duration of three (3) years that will be effective from your date of joining as full time employee.

Please note that your compensation package would be as outlined in Annexure A attached here under and the few of the preparatory actions outlined in **Annexure A**.

You will receive a formal letter of appointment (on probation basis) with all the terms and conditions post joining the organisation.

For any questions or clarifications regarding this offer, please contact HR Team at hr@pennanttech.com or on office number +91 40 42234400.

I hope you will accept this offer of Apprenticeship to employment, thereby allowing me to welcome you as an associate of our Company. Please be advised that this Apprenticeship is governed under the Apprenticeship Act and if you accept the offer you may need to register and follow certain guidelines which will be shared separately.

This offer stands cancelled or void if you didn't confirm back your acceptance by 17th Jan 2025

With best wishes and looking forward to a mutually fruitful association,

For Pennant Technologies Pvt. Ltd.



Ravi Varma Datla
Director, Consulting

I hereby accept this position and agree to be bound by all the terms and conditions mentioned in the Appointment Letter enclosed herewith.

Mr./Ms.

Date:

Pennant Technologies Private Limited

Registered office : Cyber Gateway, Block C, Level 1,
Wing 1, Unit B, L&T Infocity, Hitech City, Madhapur,
Hyderabad-500 081, Telangana, India.

7th Floor, H07, Avance Business Hub,
Phoenix Infocity SEZ, Hitec City 2,
Hyderabad-500 081, Telangana, India.

Plot No. D2, IT Park, Hill No.2, Rishikonda,
Madhurawada, Visakhapatnam-530003,
Andhra Pradesh, India.

Europe :
17 Hanover Square,
London, W1S 1BN, UK



Annexure A - Compensation Details

The below compensation structure will be applicable from your actual date of joining as full time employee.
 Note: **The below table covers both the compensation packages and you are allocated to the higher package based on your performance during the Apprenticeship.**

COMPENSATION STRUCTURE		
Name	Kesava Chari Vantikaka	
Department /Division	Engineering	
Designation	Associate Software Engineer (Trainee)	
Location	Visakhapatnam	
Components of salary	Annual Package 1 - 4.1lpa	Annual Package 1 - 5.1lpa
Basic salary	₹ 1,63,595.00	₹ 1,87,025.00
House Rent Allowance	₹ 65,438.00	₹ 74,810.00
Special Allowance	₹ 98,155.00	₹ 1,12,214.00
Sub-Total	₹ 3,27,188.00	₹ 3,74,049.00
Health Insurance	₹ 5,000.00	₹ 5,000.00
Gratuity	₹ 8,180.00	₹ 9,351.00
PF – Employer	₹ 19,632.00	₹ 21,600.00
Gross	₹ 3,60,000.00	₹ 4,10,000.00
Commitment Pay*	₹ 50,000.00	₹ 1,00,000.00
CTC for 1st Year	₹ 4,10,000.00	₹ 5,10,000.00

* Commitment pay shall be paid out annually

The above salary components shall apply to you for the 2nd and 3rd years as outlined below. However, you need to get the performance rating of “good” which is 3 rating on scale of 5. In addition, Excellent (4) or outstanding (5) performance across the packages shall be rewarded accordingly.

Package	Year 2			Year 3			Total Compensation for 3 years
	CTC	Gross	Commitment Pay	CTC	Gross	Commitment Pay	
1	₹ 5,00,000.00	₹ 4,50,000.00	₹ 50,000.00	₹ 7,90,000.00	₹ 7,40,000.00	₹ 50,000.00	₹ 17,00,000.00
2	₹ 6,00,000.00	₹ 5,00,000.00	₹ 100,000.00	₹ 9,00,000.00	₹ 8,00,000.00	₹ 100,000.00	₹ 20,00,000.00

CERTIFICATE OF COMPLETION

This is to certify that

VARIKUTI SOMA SUNDARA REDDY

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5058

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. S. S. Reddy".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

VEMIREDDY RAVI KRISHNA REDDY

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5059

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Vemuri Jayasri

Enrolled in the **Computer Science and Engineering - 21761A0563**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05303

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

V. DEEPTHI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5110

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

YARAMALA ANITHA REDDY

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5060

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Yerroju Chinmayalahari

Enrolled in the **Computer Science and Engineering - 21761A0566**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Data Science

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09180

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Harshini Anam

Enrolled in the **Computer Science and Engineering - 21761A0567**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09748

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This Certificate Certifies That

Avanapu Hemanth Manikanta

For his outstanding completion of the compulsory internship program as **MACHINE LEARNING ENGINEERING** from January to April 2025.

10th April 2025

Madhuri Reddy

Madhuri Reddy
HR Associate



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Swapna Badamganti

Enrolled in the **Computer Science and Engineering - 21761A0569**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-06406

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Banavathu Siva Rani

Enrolled in the **Computer Science and Engineering - 21761A0570**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09604

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

BANAVATHU VAMSI NAYAK

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5097

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Vamsi Nayak".

Director - Operations



07-Jan-2025

Candidate ID: 33189321

Bandaru Gracy
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Bandaru Gracy**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

BATHULA MALYADRI

*has successfully completed his "Semester internship in" **Data Analytics with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate his efforts and contributions during the internship and wish his success in their future endeavors.*



DR PALLAMSETTI
CEO & FOUNDER

CERTIFICATE OF COMPLETION

This is to certify that

B.NAGA SIVA PRASAD

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5050

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Bekkam Lohitha Shri

Enrolled in the **Computer Science and Engineering - 21761A0575**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05931

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

USHA SRAVANTHI.B

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5104

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

B. YASWANTH

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5113

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

BOGASAMUDRAM V PAVAN KUMAR REDDY

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5036

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. P. Ramu" or similar.

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

BOGIREDDY SAIPRIYA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5061

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

BOLLINENI HEMANI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5062

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION



CERTIFICATE OF COMPLETION

This is to certify that

CH.DEENA VAMSI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No: TSS5087

Date of Issue: 2025-04-19


Director - Operations

CSV Insight Generator Using LLM Models

An Internship Report

submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

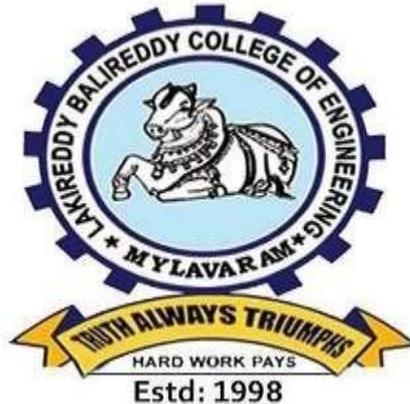
IN

COMPUTER SCIENCE & ENGINEERING

Submitted by

CHEBROLU SAI BHARGAVI

21761A0582



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (ASE,CE,CSE,ECE,EEE,IT&ME)

An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, NTR Dist., ANDHRA PRADESH – 521230

2024-2025



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution since 2010)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I),
An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B. REDDY NAGAR, MYLAVARAM, NTR DIST., A.P.-521 230.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that internship work entitled “**CSV Insight Generator Using LLM Models**” the bonafide work done by **CHEBROLU SAI BHARGAVI (21761A0582)** in partial fulfillment of the requirements for the award of the degree in **BACHELOR OF TECHNOLOGY** in Computer Science and Engineering from **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM** during the year **2024-2025**.

D. Anil Kumar
(Internship Coordinator)

Dr. D. Veeraiah
(Head of the Department)

EXTERNAL EXAMINER

CERTIFICATE OF COMPLETION



CERTIFICATE OF COMPLETION

This is to certify that

CH.SAIBHARGAVI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.: TSS5078

Date of Issue :2025-04-19


Director - Operations

ACKNOWLEDGEMENT

I express my thanks to the support given by management in completing my work. I also express my sincere gratitude & deep sense of respect to the Principal **Dr. K. APPA RAO** for making us available all the required assistance & for his support & inspiration to carry out this work in the Institute.

I also take the privilege to record my thanks to **Dr. D. VEERAI AH** Head of the Department of CSE whose encouragement, cooperation and valuable support crown our success.

I would like to thank **Mrs. M. GAYATHRI**, Assistant professor who has been an inspiring guide and committed faculty and gave relief moral support in every situation of engineering career. The encouragement and support by him, especially in carrying out this project motivated us to complete this project.

I owe my acknowledgement to an equally long list of each people who helped me in this work. My sincere thanks to the Librarian of LBRCE who help me in getting many valuable books of actual editors.

I am thankful to the teaching and non-teaching staff of CSE department for their direct as well as indirect help in my work. I am elated to avail my selves to this opportunity to express my deep sense of gratitude to my parents.

CHEBROLU SAI BHARGAVI

21761A0582

DECLARATION

We hereby declare that the project report entitled “**CSV Insight Generator Using LLM Models**” is submitted to JNTUK is partial fulfillment of the requirement for the award of the degree of bachelor of technology (BTech) is an original work carried out by us. The matter embodied in this Internship report is a genuine work by the students and has not been submitted earlier to this university or any other university for award of any degree or diploma or prize.

SUBMITTED BY
CHEBROLU SAI BHARGAVI

21761A0582

Executive Summary

This project introduces an AI-powered web application designed to simplify data visualization from CSV files. Users can upload a dataset and ask natural language questions about the data. The system leverages a Large Language Model (LLM) to understand the query and identify the appropriate visualization type. Using Streamlit for the interface and Highcharts for rendering, the app dynamically generates interactive charts. It supports pie, bar, and line charts, adapting to various analytical needs. The tool also displays the generated Highcharts JavaScript code for learning and transparency. This eliminates the need for manual plotting or coding skills. The application bridges the gap between raw data and visual insight. It is especially useful for students, analysts, and business users. By combining conversational AI with powerful charting, the system makes data analysis accessible. This project highlights the potential of integrating LLMs into everyday data tools. It offers a smart, intuitive solution for real-time visual data exploration.

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1. OBJECTIVES OF INTERNSHIP

The primary objective of this internship was to apply and enrich the theoretical concepts I had learned throughout my B. Tech coursework in a dynamic, hands-on environment. Under the mentorship and task-based structure provided by Taras Solutions, I was exposed to practical applications of machine learning, data processing, and real-time problem-solving through weekly mini-projects.

The internship focused on bridging the gap between academic learning and industry-level expectations. I developed and analysed several machine learning models and computer vision systems. These experiences allowed me to apply and evaluate core ML algorithms using realworld datasets.

A significant goal of the internship was to enhance my programming skills in Python, particularly in libraries such as Scikit-learn, Pandas, NumPy, OpenCV, and Matplotlib. I used these tools extensively in projects like spam detection, heart disease prediction, WhatsApp chat analysis, and gesture recognition.

Another objective was to gain familiarity with end-to-end machine learning workflows — from data collection, preprocessing, model selection, training, tuning, to performance evaluation. I also learned how to structure and document projects effectively, preparing me for future industrial projects or academic research.

Moreover, working on a hostel management system and a virtual calculator introduced me to UI design, Python-based GUIs using Tkinter, and data storage techniques, thereby strengthening my understanding of software development fundamentals.

This internship also aimed to sharpen soft skills such as:

- Time management and weekly task planning
- Clear documentation of code and results
- Independent research and problem-solving
- Professional communication and team collaboration

Specific objectives include:

- Strengthening my technical foundation in AI and ML through mini-projects.
- Gaining real-time experience in data analysis and visualization.
- Understanding ML model deployment and evaluation strategies.
- Improving proficiency in libraries such as OpenCV, Pandas, and Scikit-learn. Building confidence in initiating, implementing, and completing independently.
- Enhancing communication, documentation, and project reporting skills.

2.INTRODUCTION TO THE ORGANIZATION

Taras Solutions and Systems is an innovative and career-oriented training platform that focuses on delivering high-quality internship experiences in the fields of Artificial Intelligence, Machine Learning, Web Development, Data Science, and other emerging technologies. The organization is dedicated to empowering students and early-stage professionals by offering structured, hands-on programs that simulate real-world project environments. With a mission to bridge the gap between theoretical education and industry expectations, Taras Solutions has built a reputation for creating a strong foundation for learners entering the tech industry. The core philosophy of Taras Solutions revolves around experiential learning. Interns are provided with weekly real-time tasks and mini-projects that encourage independent problemsolving, critical thinking, and continuous improvement. These tasks are carefully curated to reflect current trends and demands in the tech landscape, giving students exposure to tools and technologies commonly used in the industry. Each intern is expected to explore the problem space, research suitable methods, implement efficient solutions, and document the outcomes professionally. This promotes a holistic learning process that integrates both technical and soft skill development.

What sets Taras Solutions apart is its supportive and mentor-driven environment. Interns receive guidance from experienced professionals who ensure that they understand not just the "how" but also the "why" behind each task. The feedback-oriented culture allows interns to refine their approaches, improve their understanding, and develop confidence in their abilities. Moreover, the platform emphasizes time-bound project delivery, encouraging interns to manage their schedules effectively and work with discipline—an essential trait in the modern tech industry.

In addition to technical exposure, Taras Solutions nurtures personal growth by instilling values such as professionalism, accountability, collaboration, and continuous learning. By the end of the internship, students not only gain practical skills in Python programming, machine learning algorithms, data handling, and application development, but also leave with a portfolio of diverse projects that demonstrate their readiness for industry roles. Taras Solutions is not just an internship provider—it is a launchpad for aspiring developers, data scientists, and AI engineers aiming to build meaningful and impactful careers.

3.LIST OF CONCEPTS LEARNED IN THE INTERNSHIP

Technical Skills:

- Python programming for AI-based applications.
- Image processing using OpenCV.
- Real-time hand gesture detection using MediaPipe.
- Optical Character Recognition (OCR) with Tesseract.
- Spam detection using Natural Language Processing (NLP) and ML
- Gesture-based control systems and virtual input design.

Tools & Frameworks:

- Python
- OpenCV
- MediaPipe
- Tesseract OCR
- Scikit-learn
- NumPy, Pandas, Matplotlib
- Git for version control

Professional Skills:

- Real-time debugging and problem-solving.
- Project documentation and reporting.
- Collaboration and teamwork in a remote setting.
- Time management and structured workflow planning.

4. PROJECT PROBLEM STATEMENT

4.1 Main Project: CSV Insight Generator Using LLM Models.

Statement:

In traditional data analysis workflows, generating meaningful visualizations from CSV files requires users to possess technical skills in data manipulation, programming, and charting libraries. This creates a barrier for non-technical users such as business analysts, students, and researchers, who often rely on developers or data teams to convert raw datasets into interpretable visual formats. Additionally, conventional tools lack conversational interfaces, making the exploration process slow, manual, and repetitive.

Solution:

To address these challenges, this project proposes an AI-assisted web application that enables users to interact with CSV data using natural language. The solution integrates a Large Language Model (LLM) to interpret user queries and determine the appropriate chart type and relevant data columns. Built using Streamlit for the frontend and Highcharts for visualization, the app dynamically generates interactive charts such as pie, bar, and line graphs. This approach empowers users with no coding background to gain insights from data quickly and intuitively, streamlining the analysis process and enhancing accessibility to data-driven decision-making.

Key Features:

- Upload CSV files and interact using natural language queries.
- Automatic chart generation using Highcharts (pie, bar, line).
- LLM-powered interpretation of user questions for smart visualization.
- Clean, interactive web interface built with Streamlit for real-time insights.

4.2 Supporting Projects (Mini Projects)

CSV Dashboard Generator

- Developed a simple Python tool that reads CSV files and generates visual dashboards using Matplotlib and Seaborn.
- Enabled quick summary statistics and static plots like histograms, bar charts, and scatter plots.
- Built CLI-based user interface for selecting columns and chart types.

Natural Language to SQL Query Generator

- Created a basic system that translates user questions into SQL queries using pre-defined templates and keyword matching
- Used it to extract data from sample CSV-loaded SQLite databases
- Demonstrated early understanding of how natural language interfaces can drive data access.

LLM-based Chat Assistant for CSV Help

- Implemented a chatbot using OpenAI's GPT model to answer questions related to CSV structure and contents.
- Handled queries like column meanings, missing values, or recommended chart types.
- Explored basic prompt engineering and LLM APIs

5. Project Work Implementation

Technologies Used:

- Python, Streamlit, Pandas, Highcharts (JavaScript), Large Language Model (LLM), HTML/JavaScript (for embedding), Jinja-style formatting.

Implementation Details:

- User uploads a CSV file through the Streamlit interface
- User inputs a natural language query (e.g., "Show a pie chart of sales distribution")
- The LLM (Large Language Model) interprets the query to determine the chart type and relevant data columns.
- Pandas is used to read and process the CSV data
- Dynamic Highcharts JavaScript code is generated using Python formatting based on the interpreted query and data
- Interactive charts (pie, bar, or line) are displayed in real time based on user input
- The modular structure allows for future enhancements such as more chart types or advanced analytics.

Challenges and Solutions:

- Interpreting vague user queries → addressed by prompting the LLM with structured context and examples.
- Handling diverse CSV formats → managed using dynamic column detection and flexible Pandas operations.
- Embedding JavaScript (Highcharts) in Streamlit → solved by using components.html

for seamless chart rendering. Results

- Ensuring responsive UI for large datasets → optimized by limiting preview rows and deferring heavy processing until query input.

6. Results

- The CSV Insight Generator accurately produced visualizations corresponding to user queries, demonstrating high reliability in chart type identification.
- The system effectively interpreted natural language questions and mapped them to relevant columns and chart formats using the LLM.
- Visualization outputs (pie, bar, and line charts) were rendered dynamically and interactively using Highcharts, ensuring smooth and responsive user experience.
- Supporting mini-projects such as the Natural Language to SQL Generator, CSV Dashboard Viewer, and LLM Chat Assistant also performed successfully, validating the core components used in the main project.

5.PROJECT WORK IMPLEMENTATION

App.py:

```
import streamlit as st

import pandas as pd

import streamlit.components.v1 as components

# Function to render Highcharts JavaScript code based on user's question

def render_highcharts(user_question, df):

    # Determine the type of chart based on keywords in the user's question

    if "pie" in user_question.lower():

        chart_type = 'pie'

        series_data = [{ 'name': df.iloc[i, 0], 'y': df.iloc[i, 1]} for i in range(len(df))]

    elif "bar" in user_question.lower():

        chart_type = 'bar'

        series_data = [{ 'name': df.columns[1], 'data': df.iloc[:, 1].tolist()}]

    else:

        chart_type = 'line'

        series_data = [{ 'name': df.columns[1], 'data': df.iloc[:, 1].tolist()}]

    if chart_type == 'pie':

        highcharts_code = f"""

        <script src="https://code.highcharts.com/highcharts.js"></script>

        <script src="https://code.highcharts.com/modules/exporting.js"></script>
```

```

<script src="https://code.highcharts.com/modules/export-data.js"></script>

<script src="https://code.highcharts.com/modules/accessibility.js"></script>

<div id="chart-container"></div>

<script>

Highcharts.chart('chart-container', {{

    chart: {{

        type: '{chart_type}'

    }},

    title: {{

        text: '{user_question}'

    }},

    series: [{{

        name: 'Data',

        colorByPoint: true,

        data: {series_data}

    }}]

}});

</script>

""""

else:

highcharts_code = f""""

<script src="https://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<script src="https://code.highcharts.com/modules/export-data.js"></script>

```

```
<script src="https://code.highcharts.com/modules/accessibility.js"></script>

<div id="chart-container"></div>

<script>

Highcharts.chart('chart-container', {{

    chart: {{

        type: '{chart_type}'

    }},

    title: {{

        text: '{user_question}'

    }},

    xAxis: {{

        categories: {df.iloc[:, 0].tolist()}

    }},

    yAxis: {{

        title: {{

            text: 'Value'

        }}

    }},

    series: {series_data}

    });

</script>

"""

return highcharts_code
```

```
# Streamlit app

def main():

    st.title("CSV File Visualization App")

    # File upload section

    uploaded_file = st.file_uploader("Upload a CSV file", type=["csv"])

    if uploaded_file is not None:

        # Read the CSV file

        df = pd.read_csv(uploaded_file)

        # Display the dataframe

        st.write("Data Preview:")

        st.dataframe(df)

        # User input section

        user_question = st.text_input("Ask a question about the data:")

        if user_question:

            # Render Highcharts based on user question

            highcharts_code = render_highcharts(user_question, df)

            # Display the Highcharts JavaScript code

            st.markdown("### Visualization Code:")
```

```

st.code(highcharts_code, language="html")

# Display the visualization using components.html

st.markdown("### Visualization:")

components.html(highcharts_code, height=600)

# Run the app

if __name__ == "__main__":

    main()

# Function to render Highcharts JavaScript code based on user's question

def render_highcharts(user_question, df):

    # Determine the type of chart based on keywords in the user's question

    if "pie" in user_question.lower():

        chart_type = 'pie'

        series_data = [{ 'name': df.iloc[i, 0], 'y': df.iloc[i, 1] } for i in range(len(df))]

    elif "bar" in user_question.lower():

        chart_type = 'bar'

        series_data = [ { 'name': df.columns[1], 'data': df.iloc[:, 1].tolist() } ]

    else:

        chart_type = 'line'

        series_data = [ { 'name': df.columns[1], 'data': df.iloc[:, 1].tolist() } ]

    if chart_type == 'pie':

```

```

highcharts_code = f"""
<script src="https://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<script src="https://code.highcharts.com/modules/export-data.js"></script>

<script src="https://code.highcharts.com/modules/accessibility.js"></script>

<div id="chart-container"></div>

<script>

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    chart: {{

        type: '{chart_type}'

    }},

    title: {{

        text: '{user_question}'

    }},

    series: [{{

        name: 'Data',

        colorByPoint: true,

        data: {series_data}

    }}]

}});

</script>

"""

else:

    highcharts_code = f"""

```

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<script src="https://code.highcharts.com/highcharts.js"></script>
<script src="https://code.highcharts.com/modules/exporting.js"></script>
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<div id="chart-container"></div>
<script>
Highcharts.chart('chart-container', {{
  chart: {{
    type: '{chart_type}'
  }},
  title: {{
    text: '{user_question}'
  }},
  xAxis: {{
    categories: {df.iloc[:, 0].tolist()}
  }},
  yAxis: {{
    title: {{
      text: 'Value'
    }}
  }},
  series: {series_data}
}});
</script>
```

```

"""

return highcharts_code

# Streamlit app

def main():

    st.title("CSV File Visualization App")

    # File upload section

    uploaded_file = st.file_uploader("Upload a CSV file", type=["csv"])

    if uploaded_file is not None:

        # Read the CSV file

        df = pd.read_csv(uploaded_file)

        # Display the dataframe

        st.write("Data Preview:")

        st.dataframe(df)

        # User input section

        user_question = st.text_input("Ask a question about the data:")

        if user_question:

            # Render Highcharts based on user question

            highcharts_code = render_highcharts(user_question, df)

```

```
# Display the Highcharts JavaScript code

st.markdown("### Visualization Code:")

st.code(highcharts_code, language="html")
```

```
# Display the visualization using components.html

st.markdown("### Visualization:")

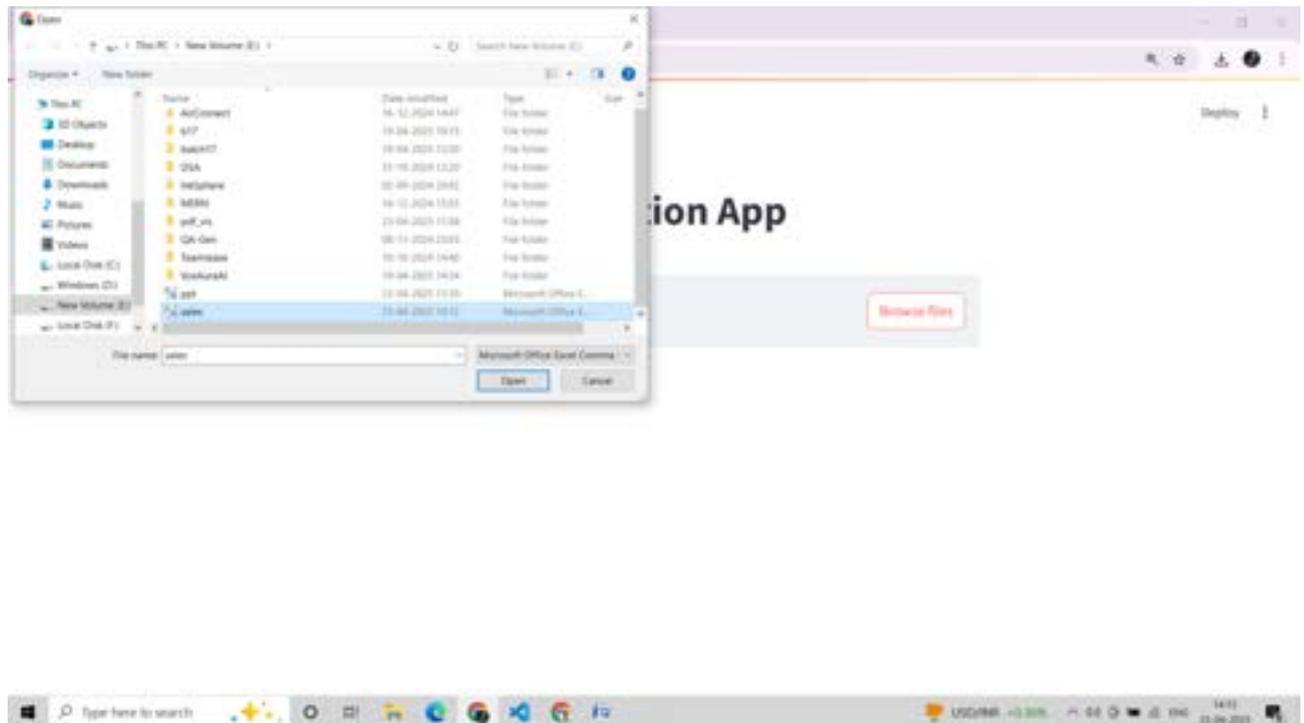
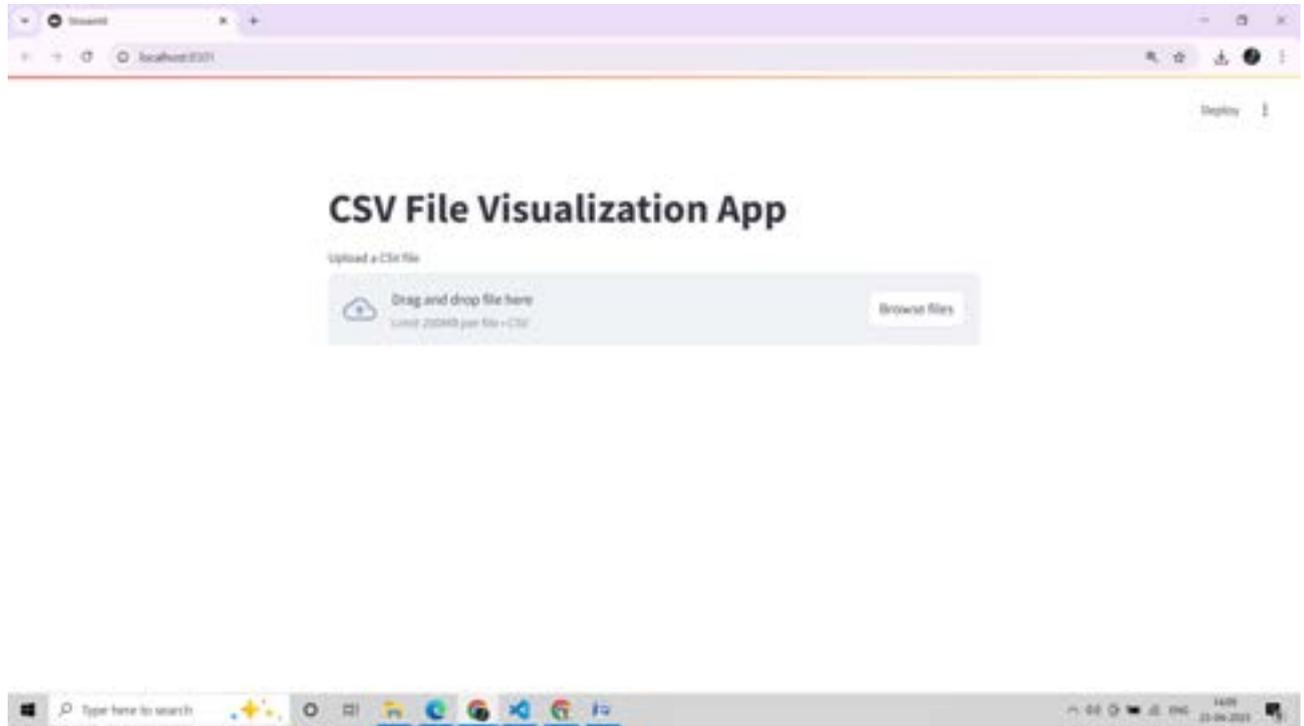
components.html(highcharts_code, height=600)
```

```
# Run the app
```

```
if __name__ == "__main__":

    main()
```

6.RESULTS



Deploy

CSV File Visualization App

Upload a CSV file

Drag and drop file here
Limit: 200KB per file - CSV

Choose File

sales.csv 15 KB

Data Preview

Region	Sales
North	10000
South	12000
East	20000
West	8000
Central	15000

Ask a question about the data

Deploy

Ask a question about the data

Visualize the csv file

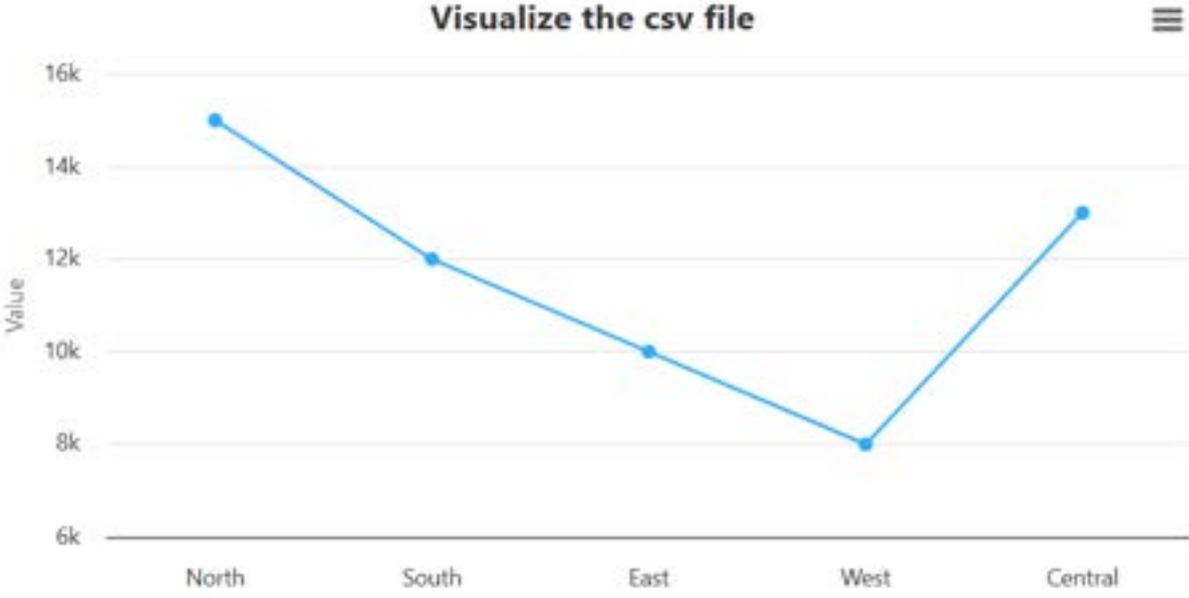
Visualization Code:

```

<script src="https://code.highcharts.com/highcharts.js"></script>
<script src="https://code.highcharts.com/modules/exporting.js"></script>
<script src="https://code.highcharts.com/modules/export-data.js"></script>
<script src="https://code.highcharts.com/modules/accessibility.js"></script>
<div id="chart-container"></div>
</script>
Highcharts.chart('chart-container', {
  chart: {
    type: 'line'
  },
  title: {
    text: 'Visualize the csv file'
  },
  xaxis: {
    categories: ['North', 'South', 'East', 'West', 'Central']
  },
  yaxis: {
    title: {
      text: 'Value'
    }
  }
});

```

Visualization:



7. CONCLUSION

The internship at Taras Systems and Solutions was a highly enriching experience that provided valuable exposure to real-world, AI-based applications. The main project, **CSV Insight Generator Using LLM Models**, deepened my understanding of computer vision, convolutional neural networks, and the application of artificial intelligence in the medical domain. Through this project, I gained hands-on experience in model training, evaluation, and deploying deep learning solutions for image classification tasks. This internship offered not only technical growth but also insight into solving real-world problems using AI. Under the guidance of experienced mentors, I built a strong foundation in deep learning, project development, and research-based problem solving—preparing me well for future challenges in the tech and AI industry.

8. REFERENCES

- TensorFlow Documentation – <https://www.tensorflow.org/>
- Keras API Reference – <https://keras.io/>
- Scikit-learn Documentation – <https://scikit-learn.org/>
- OpenCV Documentation – <https://docs.opencv.org/>
- Tesseract OCR Engine – <https://github.com/tesseract-ocr/tesseract>
- Kaggle Datasets for Skin Disease Classification and NLP – <https://www.kaggle.com/>
- UCI Machine Learning Repository – <https://archive.ics.uci.edu/>
- Matplotlib Visualization Library – <https://matplotlib.org/>
- Seaborn Statistical Data Visualization – <https://seaborn.pydata.org/>
- NumPy Library – <https://numpy.org/>

CERTIFICATE OF COMPLETION

This is to certify that

CH.REVANTH

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5051

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

DARA LAKSHMI DURGA BHAVYA SRI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5063

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Deekollu Venkata Harshavardhan

Enrolled in the **Computer Science and Engineering - 21761A0585**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-08069

Issued On
12-Apr-2025



Authorized Signature



L-CUBE INNOVATIVE SOLUTIONS PVT. LTD.

No. 1148, I - Block, 6th Avenue
Anna Nagar West, Chennai - 600 040
Phone : +91-44-26181625, 26185320

APPOINTMENT LETTER

(Strictly confidential)

March 13, 2025

Edara Avinash,
2-15, Rompicherla Mandal,
Vipparlappalle Agaraharam,
Vipparlapalle Dst, Guntur,
Andhra Pradesh – 522 603.

Dear Edara Avinash,

With reference to your application and the subsequent interview you had with us, we are pleased to offer you the position of **Software Engineer** in our Organization. Your appointment will be effective from 13 March, 2025.

You will be on probation for a period of three months and your remuneration **Rs. 21,400/- CTC Per Month (INR 3,00,000 CTC Per Annum)**. Your employment will be confirmed based on your performance by the end of probation period.

Your probation is liable to be extended by a further period of three months or part thereof at the discretion of the Management. During the period of employment with us, if your performance is not satisfactory, your services are liable to be terminated without notice.

You shall be governed by the rules and regulations of the company at all times without exception. You shall be eligible for all statutory provisions according to the laws in force from time to time. This offer is subject to successful completion of the agreement tenure.

The following documents should be submitted to the HR Department as per the required format with the necessary supporting documents within 30 days from the date of acceptance of offer, failing which your offer remains canceled:

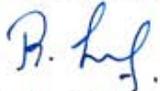
1. Service Agreement Document
2. Four passport size & two stamp size photograph
3. ID proof & Address proof (Aadhar and PAN card)
4. Attested copies of Certificate in support of Academic / Technical / Educational Qualifications along with originals for verification.

SALARY Break-up / Month			
EARNINGS	INR	Deductions	INR
Basic	15,000	Employer Provident Fund	1,800
House Rent Allowance	8,200	Employee Provident fund	1,800
Employer Provident Fund	1,800		
Cost to the Company	25,000	Total Deductions	3,600
Net Salary (Take home)		21,400	

This offer letter has been issued in duplicate. Please sign and return the duplicate copy as acknowledgment that you have read, understood and accepted the same.

For any queries, please drop an e-mail to hr@glenwoodsystems.com or call us 044 - 2618 5320 along with the basic details of your employment.

Yours Sincerely,



For **L-CUBE INNOVATIVE SOLUTIONS PVT. LTD.,**
Human Resource - Generalist.

Acknowledgment

I hereby acknowledge the receipt of my offer letter and confirm my acceptance. As mentioned above I will be submitting all the necessary documents within the stipulated time required by the Company or else necessary action can be taken against me.

Signature of Acceptance: *E. Avinash.*

Date: *13-03-25*

CERTIFICATE OF COMPLETION

This is to certify that

G. MERCY

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5103

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Mercy".

Director - Operations

INTERNSHIP REPORT ON

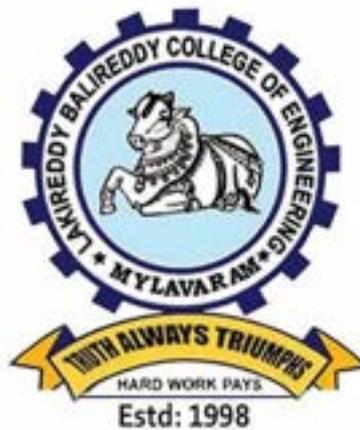
“Color-Based Object Detection Using OpenCV”

BACHELOR OF TECHNOLOGY

(Submitted in the partial fulfillment of the requirements for the award of the degree of)

in

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



Submitted by

BISAI RESHMA (21761A5477)

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)**

**Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B. REDDY NAGAR, MYLAVARAM, NTR., A.P.-521 230.**

APRIL 2025



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade,

ISO 21001:2018, 50001:2018, 14001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada.

L.B.REDDY NAGAR, MYLAVARAM. NTR District, AP, India. 521230.

hodads@lbrce.ac.in . ads@lbrce.ac.in , Phone: 08659-222933, Fax: 08659-222931

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

CERTIFICATE

This is to certify that training work entitled “**Color-Based Object Detection Using OpenCV**” is a bonafide work carried out in the 8th semester by **BISAI RESHMA (21761A5477)**, in partial fulfillment for the award of B. Tech in Artificial Intelligence and Data Science from Jawaharlal Nehru Technological University Kakinada during the academic year 2021-25.

Internship Coordinator

K.Sudhakar, Sr.Asst.Professor

Head of the department

Dr. O. Rama Devi

ACKNOWLEDGEMENT

I would like to acknowledge the contributions of the following people without whose help and guidance this report would not have been completed.

I acknowledge the counsel and support of our Internships Supervisor, **K.Sudhakar**, Sr. Asst. Professor, AI&DS Department.

I am also thankful to **Dr. O. Rama Devi**, Professor and Head of the Department of AI&DS, **Principal Dr.K.Appa Rao Sir**, for providing such a vibrant learning environment in Lakireddy Bali Reddy College of Engineering, Mylavaram.

This acknowledgement will remain incomplete if I fail to express our deep sense of obligation to my **Parents and God** for the consistent blessings and encouragement.

BISAI RESHMA

21761A5477

INTERNSHIP CERTIFICATE



CERTIFICATE OF COMPLETION

This is to certify that

BISAI RESHMA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No: TSS4997

Date of Issue: 2025-04-18

A handwritten signature in blue ink, appearing to read "G. Ramaswami".

Director - Operations

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I. OBJECTIVES OF INTERNSHIP

The primary objective of this internship at **Taras Solutions** was to apply the theoretical concepts I learned during my B. Tech coursework in a practical, real-world environment. Under the mentorship provided by the team, I worked on projects involving **OpenCV** and **YOLO** for real-time object detection.

The internship focused on bridging the gap between academic knowledge and industry-level applications. I enhanced my programming skills in **Python**, particularly using libraries like **OpenCV**, **NumPy**, and **Matplotlib**, to develop real-time object detection systems.

Key objectives included:

- **Strengthening technical skills** in computer vision through hands-on projects.
- Gaining real-time experience in **image processing** and **object tracking**.
- Learning end-to-end **computer vision workflows**, from data preprocessing to model evaluation.
- Enhancing problem-solving and project management skills.
- Developing strong communication and documentation practices for presenting project results.

This internship has provided valuable experience in **real-time video processing**, **object detection**, and **system optimization**, preparing me for future challenges in AI and computer vision fields.

II. INTRODUCTION TO THE ORGANIZATION

Taras Solutions is a technology-driven company specializing in software development, machine learning, artificial intelligence, and data analytics. The company delivers innovative and scalable solutions across various industries, including healthcare, retail, and education. By integrating advanced technologies, Taras Solutions helps businesses enhance efficiency and address complex challenges.

During my internship at Taras Solutions, I gained valuable hands-on experience in artificial intelligence and machine learning. I actively contributed to the development of real-world applications, particularly in the areas of computer vision and image processing, enhancing both my technical skills and practical understanding of these domains.

I also collaborated with mentors and peers on mini-projects, which helped build my confidence in applying programming and analytical techniques. This internship provided me with a strong foundation for future roles in AI and software development.

III. DETAILS OF THE CONCEPTS LEARNED

DURING THE INTERNSHIP

During my internship at **Taras Solutions**, I gained practical experience in **computer vision, deep learning, and real-time video processing**. I worked with the **YOLO (You Only Look Once)** algorithm for real-time object detection, which deepened my understanding of **deep learning models** and their application in computer vision. I also used **OpenCV** for tasks like color-based object detection, contour detection, and object tracking, applying essential image processing techniques to real-world scenarios.

Additionally, I enhanced my **Python programming** skills, particularly in **deep learning frameworks** and libraries like **TensorFlow** and **Keras**, as well as in **data preprocessing** and **augmentation** techniques. I learned to evaluate and optimize models using performance metrics such as accuracy and precision. This internship provided hands-on knowledge of **AI model development, Python programming, and project documentation**, helping me apply academic concepts to industry-level challenges.

IV. PROJECT PROBLEM STATEMENT

Abstract:

The goal of this project is to develop a real-time object detection system using **OpenCV**, focusing on detecting objects based on their color. By leveraging image processing techniques such as color masking, contour detection, and object tracking, this project aims to identify and track specific objects in a live video feed. The system will be capable of detecting objects of a particular color (e.g., red, blue, green), drawing bounding boxes around them, and labeling them in real-time, making it suitable for applications in surveillance, robotics, and interactive systems.

Introduction:

The goal of this project is to create an accessible and efficient object detection system using OpenCV, which avoids the complexities of deep learning models. Object detection is a core challenge in computer vision, with applications ranging from automated surveillance to robotic navigation. Traditional object detection methods often require large datasets and computationally expensive models, which are not always practical for real-time applications. In this project, we aim to use color-based detection as a simpler, cost-effective solution. Detecting objects based on their color is particularly useful in scenarios where specific objects need to be identified quickly, without the need for complex machine learning models. This project leverages the HSV color space and basic image processing techniques to detect and track objects in real-time.

Proposed Methodology:

- **Webcam Input:** Capture a live video feed from the webcam using OpenCV, allowing real-time object detection.
- **Color Conversion:** Convert the captured frames from the default BGR color space to the HSV (Hue, Saturation, Value) color space. The HSV color space is more suitable for color-based segmentation as it separates color information from intensity, making it easier to isolate objects by their color.
- **Color Masking:** Define specific color ranges (e.g., for red, blue, or green) and create a binary mask. This mask will isolate the desired object from the background based on its color, ensuring that only the target object is processed.
- **Contour Detection:** Apply contour detection on the masked image to identify the boundaries of the colored object. The contours will help determine the object's shape and position.
- **Bounding Boxes and Labeling:** Once contours are detected, draw bounding boxes around the identified objects and label them accordingly. This step allows for visual

identification of the detected objects.

- **Real-Time Tracking:** Process the video feed frame by frame to detect and track the object across frames. The system will continuously update the detection and track the object's movement, ensuring real-time detection even as the object moves.
- **Output:** Display the processed video feed with real-time object detection results, including the drawn bounding boxes and labels, allowing for visual feedback of the detection process.

This approach integrates basic image processing techniques with real-time video analysis to create an efficient and accessible color-based object detection system suitable for various practical applications.

V. PROJECT WORK IMPLEMENTATION

Code Implementation :

Install Dependencies

```
pip install opencv-python numpy
```

Create main.py with the following code:

```
import cv2
import numpy as np

# Open the webcam
cap = cv2.VideoCapture(0)

# Define HSV range for detecting red objects
lower_red = np.array([0, 120, 70])
upper_red = np.array([10, 255, 255])

while True:
    ret, frame = cap.read()
    if not ret:
        break

    # Convert BGR to HSV
    hsv = cv2.cvtColor(frame, cv2.COLOR_BGR2HSV)

    # Create a mask for red color
    mask = cv2.inRange(hsv, lower_red, upper_red)

    # Find contours from the mask
    contours, _ = cv2.findContours(mask, cv2.RETR_TREE,
cv2.CHAIN_APPROX_SIMPLE)

    for cnt in contours:
        area = cv2.contourArea(cnt)
        if area > 500:
            x, y, w, h = cv2.boundingRect(cnt)
            cv2.rectangle(frame, (x,y), (x+w, y+h), (0,255,0), 2)
            cv2.putText(frame, "Red Object", (x, y-10), cv2.FONT_HERSHEY_SIMPLEX, 0.7,
(0,255,0), 2)

    cv2.imshow("Color-Based Object Detection", frame)

    if cv2.waitKey(1) & 0xFF == ord('q'):
        break

cap.release()
cv2.destroyAllWindows()
# Environment Setup
```

```
# Capturing Video Feed
cap = cv2.VideoCapture(0)
# Color Space Conversion
hsv_frame = cv2.cvtColor(frame, cv2.COLOR_BGR2HSV)
lower_red = np.array([0, 120, 70])
upper_red = np.array([10, 255, 255])
mask = cv2.inRange(hsv_frame, lower_red, upper_red)
contours, _ = cv2.findContours(mask, cv2.RETR_EXTERNAL,
cv2.CHAIN_APPROX_SIMPLE)
x, y, w, h = cv2.boundingRect(contour)
cv2.rectangle(frame, (x, y), (x + w, y + h), (0, 255, 0), 2)
cv2.putText(frame, "Red Object", (x, y - 10), cv2.FONT_HERSHEY_SIMPLEX, 0.9, (0,
255, 0), 2)
cv2.imshow("Object Detection", frame)
if cv2.waitKey(1) & 0xFF == 27:
    break
cap.release()
cv2.destroyAllWindows()
```

VI. RESULTS

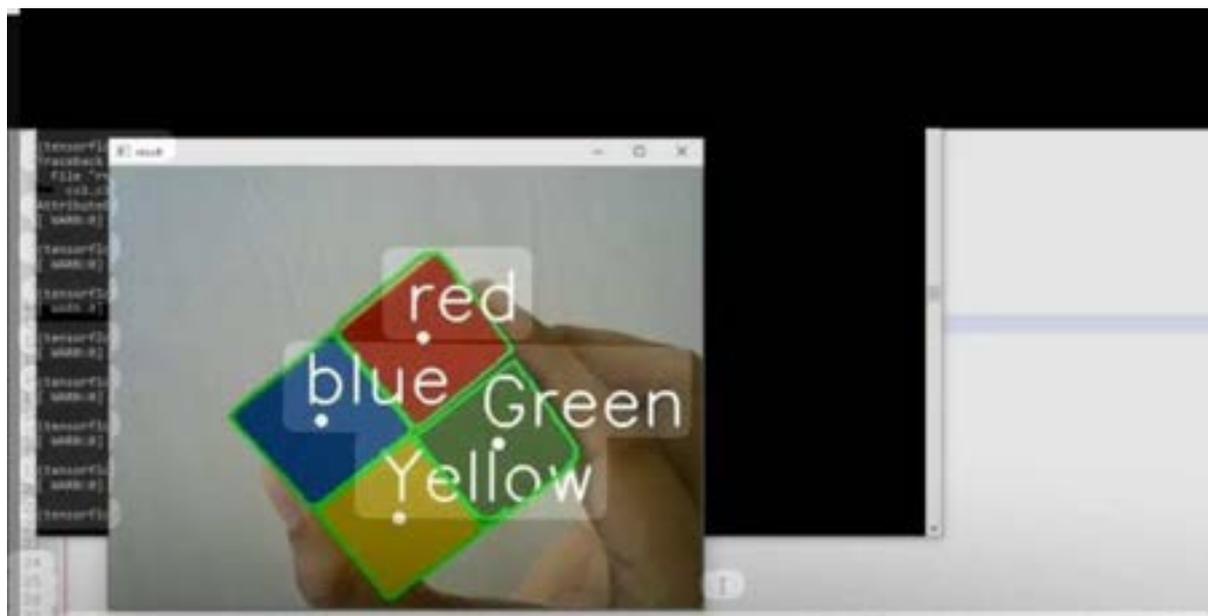


Figure 6 : Colour detection with diff. objects

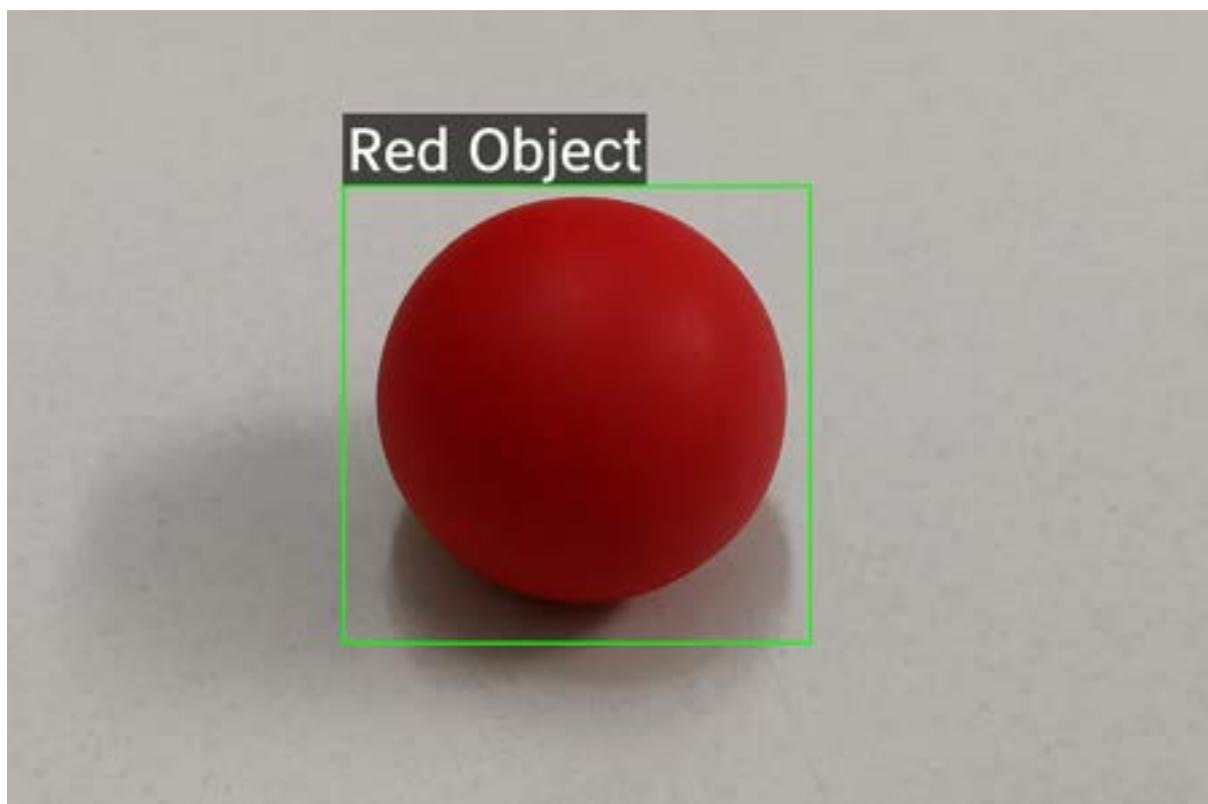


Figure 6.1 : Colour detection with object

VII. CONCLUSION

The project on **Color-Based Object Detection Using OpenCV** successfully demonstrated how basic image processing techniques can be applied to achieve real-time object detection without relying on complex deep learning models. By leveraging the HSV color space and OpenCV's powerful functions for color masking, contour detection, and real-time video processing, the system effectively identified and tracked objects based on their color.

This approach proved to be efficient, lightweight, and accessible, making it ideal for applications in environments with limited computational resources. The project enhanced practical skills in Python programming and OpenCV while offering valuable insights into computer vision concepts such as frame processing, segmentation, and object tracking. Overall, the project showcased the potential of classical computer vision methods for solving real-world problems and served as a solid foundation for more advanced object detection and tracking systems in the future.

VIII. REFERENCES

- [1]. www.google.com
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- [3]. <https://www.geeksforgeeks.org/color-detection-opencv-python/>
- [4]. <https://towardsdatascience.com/real-time-object-detection-using-opencv-and-python-4c2fd0b41d9c>
- [5]. <https://www.analyticsvidhya.com/blog/2021/06/color-detection-in-images-using-opencv-and-python/>
- [6]. <https://learnopencv.com/object-tracking-using-hsv-color-space-opencv/>
- [7]. <https://realpython.com/opencv-python-a-complete-guide/>
- [8]. <https://www.youtube.com/c/MurtazasWorkshop>

CERTIFICATE OF INTERNSHIP COMPLETION

15th April 2025

We are pleased to certify that **Mr. Gunja Naga Nikhilesh Kumar**, a B.Tech(CSE) fourth year student from Lakkireddy Balireddy College of Engineering, Mylavaram has successfully completed the full stack internship with us for last 3 months.

He has done an good job in terms of implementing different enhancements within the CDD platform. Following are key achievements as part of the internship.

1. Picked up the Angular framework, Spring framework quite fast to align with the project's technology stack without any training.
2. Picked up the Application knowledge, DB Schema in a very short span of time.
3. Delivered different enhancements that are assigned to him.

He will be a great asset to any team that he will be associated with.



Rajesh Kalyanraman
Director

Letter of Offer

09 Jan 2025

Dear **GANESH JAGGINENI**,

We are pleased to offer you employment for the position of “**Associate software engineer Trainee**”.

As part of the offer, you must undergo **Pre-Employment Apprenticeship** from 20th Jan 2025 for a period of 6 months and during the **Pre-Employment Apprenticeship** period, you will undergo very focused and intensive training across the technical, functional and product framework domains that is customized to meet the organizational needs. During the training period you will be entitled for a stipend of Rs.12,500/-pm for the period of 6 months and on successful completion of your training and the performance during the assessment determine your allocation to the compensation packages of either **4.1lpa** or **5.1lpa** for the first year of your employment and then you will have annual pay increases in line with the three (3) year pay structure and based on the annual performance ratings.

This offer is subjected to the conditions and commitment that you will undergo Apprenticeship diligently and join us as full-time employee without fail. This offer requires you to sign a service agreement that is effective from the Apprenticeship date and the assured/committed duration of three (3) years that will be effective from your date of joining as full time employee.

Please note that your compensation package would be as outlined in Annexure A attached here under and the few of the preparatory actions outlined in **Annexure A**.

You will receive a formal letter of appointment (on probation basis) with all the terms and conditions post joining the organisation.

For any questions or clarifications regarding this offer, please contact HR Team at hr@pennanttech.com or on office number +91 40 42234400.

I hope you will accept this offer of Apprenticeship to employment, thereby allowing me to welcome you as an associate of our Company. Please be advised that this Apprenticeship is governed under the Apprenticeship Act and if you accept the offer you may need to register and follow certain guidelines which will be shared separately.

This offer stands cancelled or void if you didn't confirm back your acceptance by 17th Jan 2025

With best wishes and looking forward to a mutually fruitful association,

For Pennant Technologies Pvt. Ltd.



Ravi Varma Datla
Director, Consulting

I hereby accept this position and agree to be bound by all the terms and conditions mentioned in the Appointment Letter enclosed herewith.

Mr./Ms.

Date:

Pennant Technologies Private Limited

Registered office : Cyber Gateway, Block C, Level 1,
Wing 1, Unit B, L&T Infocity, Hitech City, Madhapur,
Hyderabad-500 081, Telangana, India.

7th Floor, H07, Avance Business Hub,
Phoenix Infocity SEZ, Hitec City 2,
Hyderabad-500 081, Telangana, India.

Plot No. D2, IT Park, Hill No.2, Rishikonda,
Madhurawada, Visakhapatnam-530003,
Andhra Pradesh, India.

Europe :
17 Hanover Square,
London, W1S 1BN, UK



Annexure A - Compensation Details

The below compensation structure will be applicable from your actual date of joining as full time employee.
 Note: **The below table covers both the compensation packages and you are allocated to the higher package based on your performance during the Apprenticeship.**

COMPENSATION STRUCTURE		
Name	GANESH JAGGINENI	
Department /Division	Engineering	
Designation	Associate Software Engineer (Trainee)	
Location	Visakhapatnam	
Components of salary	Annual Package 1 - 4.1lpa	Annual Package 1 - 5.1lpa
Basic salary	₹ 1,63,595.00	₹ 1,87,025.00
House Rent Allowance	₹ 65,438.00	₹ 74,810.00
Special Allowance	₹ 98,155.00	₹ 1,12,214.00
Sub-Total	₹ 3,27,188.00	₹ 3,74,049.00
Health Insurance	₹ 5,000.00	₹ 5,000.00
Gratuity	₹ 8,180.00	₹ 9,351.00
PF – Employer	₹ 19,632.00	₹ 21,600.00
Gross	₹ 3,60,000.00	₹ 4,10,000.00
Commitment Pay*	₹ 50,000.00	₹ 1,00,000.00
CTC for 1st Year	₹ 4,10,000.00	₹ 5,10,000.00

* Commitment pay shall be paid out annually

The above salary components shall apply to you for the 2nd and 3rd years as outlined below. However, you need to get the performance rating of “good” which is 3 rating on scale of 5. In addition, Excellent (4) or outstanding (5) performance across the packages shall be rewarded accordingly.

Package	Year 2			Year 3			Total Compensation for 3 years
	CTC	Gross	Commitment Pay	CTC	Gross	Commitment Pay	
1	₹ 5,00,000.00	₹ 4,50,000.00	₹ 50,000.00	₹ 7,90,000.00	₹ 7,40,000.00	₹ 50,000.00	₹ 17,00,000.00
2	₹ 6,00,000.00	₹ 5,00,000.00	₹ 100,000.00	₹ 9,00,000.00	₹ 8,00,000.00	₹ 100,000.00	₹ 20,00,000.00



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

JAMALAPURAPU NAVEEN

*has successfully completed his "Semester internship in" **Data Analytics with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate his efforts and contributions during the internship and wish his success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER

CERTIFICATE OF COMPLETION

This is to certify that

KAMBHAMPATI TEJASWINI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5064

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

KASARAGADDA SAMPATH

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5065

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

KATTA GAYATHRI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5066

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Katta" or similar.

Director - Operations



07-Jan-2025

Candidate ID: 33189344

Kavula Bindusha
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Kavula Bindusha**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Kolusu Siva Gopi

Enrolled in the **Computer Science and Engineering - 21761A0596**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-10068

Issued On
12-Apr-2025



Authorized Signature



01-Feb-2025

Candidate ID: 33812583

Kona Bhavannarayana
B.Tech Computer Science
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Kona Bhavannarayana**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,

A handwritten signature in black ink, appearing to read "Maya Sreekumar".

Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:

CERTIFICATE OF COMPLETION

This is to certify that

KOYYAGURA SUKUMAR BOSE

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5067

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Sukumar".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Kudala Obulesh

Enrolled in the **Computer Science and Engineering - 21761A0599**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09904

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

KUMBRIKA PRITHVIRAJ

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5038

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Kurapati Sunangitha

Enrolled in the **Computer Science and Engineering - 21761A05A1**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Full Stack Java

Under SkillDzire from **20-Dec-2024** to **16-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09916
Issued On
16-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Maddala Jyothi Prakash

Enrolled in the **Computer Science and Engineering - 22765A0515**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09695

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

LAGHUVARAPU JYOTHI PRAKASH

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5068

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

LAVETI MANISHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5069

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

Ref: ZEN/HR/Intern Offr.Lrs./2023-2024

Date: 28 Jan 2025

Internship Offer

Dear Likitha Malle,

1. *We are pleased to offer an Internship at Zen Technologies Ltd.*
2. Thank you for showing your interest in joining with us as **Intern- Software**.
 - (a) As an Intern you will not be eligible for any salary or other company benefits. You understand that participation in the Internship program is not an offer of Employment.
 - (b) Your internship period will be 4 months from **28 Jan 2025**.
 - (c) You are requested to join us on or before **28 Jan 2025**. In the event of you not joining us on or before the said date; the offer will automatically stand withdrawn.
 - (d) You are requested to report to HR Department at 09.00 hrs. Please carry the following documents with you:
 - i. Education qualification Certificates
 - ii. Letter from college recommending for internship
 - iii. Two recent passport size colour photos.
 - iv. Residence Proof(Aadhar Card)
 - v. Police Clearance Certificate, for employment ,Passport)
 - vi. Photocopy of Driving License (if held)/PAN Card
 - (e) Any declaration or documents furnished by you to the company in connection with this offer should be factually correct.
3. If the terms and conditions are acceptable to you, please sign and return the duplicate copy of this offer as a token of your acceptance and join for duty on or before **28 Jan 2025** as stated at Para (c) above.

For ZEN TECHNOLOGIES LTD

I Confirm and accept the above
and will join on _____


Authorized Signatory

Signature

Works: Plot No. 36, Hardware Park, Near Shamshabad International Airport, Hyderabad - 501 510, Telangana, India

Ref: ZEN/HR/Intern Offr.Lrs./2023-2024

Date: 28 Jan 2025

Internship Offer

Dear Likitha Malle,

1. *We are pleased to offer an Internship at Zen Technologies Ltd.*
2. Thank you for showing your interest in joining with us as **Intern- Software**.
 - (a) As an Intern you will not be eligible for any salary or other company benefits. You understand that participation in the Internship program is not an offer of Employment.
 - (b) Your internship period will be 4 months from **28 Jan 2025**.
 - (c) You are requested to join us on or before **28 Jan 2025**. In the event of you not joining us on or before the said date; the offer will automatically stand withdrawn.
 - (d) You are requested to report to HR Department at 09.00 hrs. Please carry the following documents with you:
 - i. Education qualification Certificates
 - ii. Letter from college recommending for internship
 - iii. Two recent passport size colour photos.
 - iv. Residence Proof(Aadhar Card)
 - v. Police Clearance Certificate, for employment ,Passport)
 - vi. Photocopy of Driving License (if held)/PAN Card
 - (e) Any declaration or documents furnished by you to the company in connection with this offer should be factually correct.
3. If the terms and conditions are acceptable to you, please sign and return the duplicate copy of this offer as a token of your acceptance and join for duty on or before **28 Jan 2025** as stated at Para (c) above.

For ZEN TECHNOLOGIES LTD


Authorized Signatory

I Confirm and accept the above
and will join on _____

Signature

Works: Plot No. 36, Hardware Park, Near Shamshabad International Airport, Hyderabad - 501 510, Telangana, India

CERTIFICATE OF COMPLETION

This is to certify that

MARRAPU TEJA PRAKASH

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5039

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



KUANTUM KRUX PVT.LIMITED

CERTIFICATE OF ACHIEVEMENT

This Certificate is proudly awarded to:

Medam Anusha

"Has successfully completed the Web Development Internship at "KUANTUM KRUX" Private Limited from **January 07, 2025 to APRIL 10, 2025**. She had demonstrated exceptional dedication and skill in completing their assigned project."

SI-PTIP-250003

For : Kuantumkrux Private Limited

Charan
Director

DIRECTOR



CERTIFICATE OF COMPLETION

This is to certify that

M.SWATHI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TS55048

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Ramu" or similar.

Director - Operations



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

MOHAMMED JAFRIN

*has successfully completed her "Semester internship in" **Data Analytics with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



DR PALLAMSETTI
CEO & FOUNDER



KUANTUM KRUX PVT.LIMITED

CERTIFICATE OF ACHIEVEMENT

This Certificate is proudly awarded to:

Moodu Nandini

"Has successfully completed the Web Development Internship at "KUANTUM KRUX" Private Limited from **January 07, 2025 to APRIL 10, 2025**. She had demonstrated exceptional dedication and skill in completing their assigned project."

SI-PTIP-250002

For : Kuantumkrux Private Limited

Chavan
Director

DIRECTOR



KUANTUM KRUX PVT.LIMITED

CERTIFICATE OF ACHIEVEMENT

This Certificate is proudly awarded to:

Mudunuru Sumagna

"Has successfully completed the Web Development Internship at "KUANTUM KRUX" Private Limited from **January 07, 2025 to APRIL 10, 2025**. She had demonstrated exceptional dedication and skill in completing their assigned project."

SI-PTIP-250003

For : Kuantumkrux Private Limited

Chavan
Director

DIRECTOR

CERTIFICATE OF COMPLETION

This is to certify that

MULAKALAPALLI GOPICHAND

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5040

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Gopichand".

Director - Operations



#startupindia



SEGURA INVENDORS Pvt.Ltd

AICTE ID :CORPORATE646DEE17059311684925975

SI-PTIP-240003

THIS CERTIFICATE OF COMPLETION IS TO CERTIFY THAT

Mutyala Sai Keerthi

HAS SUCCESSFULLY COMPLETED THE PHYSICAL INTERNSHIP AS A FULL STACK WEB DEVELOPER AT SEGURA INVENDORS PRIVATE LIMITED FROM 03/01/2025 TO 17/04/2025. HE/SHE HAVE DEMONSTRATED EXCEPTIONAL DEDICATION AND SKILL IN COMPLETING THEIR ASSIGNED PROJECT.



Mr. VENKATA SAI ESHWAR
MANAGING DIRECTOR
SEGURA INVENDORS, KAKINADA



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Nelapati Sunil

Enrolled in the **Computer Science and Engineering - 21761A05B3**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-10069

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Rajavarapu Niharika

Enrolled in the **Computer Science and Engineering - 21761A05B6**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05940

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Ajay Ramiseti

Enrolled in the **Computer Science and Engineering - 21761A05B7**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-08205

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

RAVULAPATI KIRANMAI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5017

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



Certificate Of Achievement

Awarded to
Ravi Raya

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, reading "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Faseeha Tabassum Shaik

Enrolled in the **Computer Science and Engineering - 21761A05C0**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05826

Issued On
12-Apr-2025



Authorized Signature



KUANTUM KRUX PVT.LIMITED

CERTIFICATE OF ACHIEVEMENT

This Certificate is proudly awarded to:

Shaik Nagulu bi

"Has successfully completed the Web Development Internship at **"KUANTUM KRUX"** Private Limited from **January 10, 2025 to APRIL 11, 2025**. She had demonstrated exceptional dedication and skill in completing their assigned project."

SI-PTIP-250007

For : Kuantumkrux Private Limited

Chavan
Director

DIRECTOR



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Shaik Naveed

Enrolled in the **Computer Science and Engineering - 21761A05C2**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09988

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION



CERTIFICATE OF COMPLETION

This is to certify that

S.BHOOMIKA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No. TSS0075

Date of Issue :2025-04-19


Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

SUNKARA V V K SHANKARA GANAPATHI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5070

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Shankar Ganapathi".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

S.SAINADH

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5052

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Sainadh".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

T.SAI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5081

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

TIRUMALASETTI SURAKSHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5020

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Undavalli Vinay Kumar

Enrolled in the **Computer Science and Engineering - 21761A05D0**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07756

Issued On
12-Apr-2025



Authorized Signature



07-Jan-2025

Candidate ID: 33189295

Veesam Sai Sujith
B.Tech Computer Science
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Veesam Sai Sujith**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

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You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

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Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:

CERTIFICATE OF COMPLETION

This is to certify that

YANAMADALA DURGAMALLESWARI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5023

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

A. BINDU

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5079

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



07-Jan-2025

Candidate ID: 33189898

Rajendra Kumar Akula
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Rajendra Kumar Akula**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

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- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

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- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:



07-Jan-2025

Candidate ID: 33189899

Alugolu Sneha Latha
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Alugolu Sneha Latha**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
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3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
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8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

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- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:



Certificate Of Achievement

Awarded to
Sai Hari Pranav Amirisetti

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, reading "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer

Internship Offer Letter

13th December 2024

Meghana Appidi
15-222, SVS Nagar,
Mylavaram.

Dear Meghana,

We are delighted to extend an offer to you for the internship at Creditsafe Technology Pvt Ltd. Your academic achievement and passion have caught our attention and we believe that your skills and enthusiasm will be a valuable addition to our organization.

Your internship is scheduled to be from **6th January 2025 to 4th July 2025**. We are excited to provide you with the opportunity to gain hands-on experience in a dynamic and innovative work environment. Throughout the internship, you will be working on projects that will enhance your skill. During the internship program, you will receive a stipend of **21,000 Rupees per month** only . After the completion of three weeks from your date of joining, you will be provided designation and project details.

Upon successfully completing the internship, you will be recruited as an permanent employee of Creditsafe Technology Pvt Ltd with a package of **5,00,000 Rupees** Please confirm your acceptance of this internship offer by responding to this email. If you have any questions or need further information, feel free to reach out to Prerna.khardekar@creditsafe.co.in

Congratulations on this significant achievement. We are looking forward to having you on board and supporting your professional growth during your internship program.

Best Regards,
Prerna
Sr HR Generalist
Creditsafe Technology Pvt Ltd
9121185668

Annexure 1

1. Photo identity (Driving License, PAN card, Voter card, etc)
2. Aadhar card
3. An authorization letter from college with necessary details.
4. One scanned passport size photo
5. Certificates supporting your educational qualifications along with mark sheets
 - a. Xth Certificate
 - b. XIIth Certificate

creditsafe
Technology



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Balasaraswati Sandesh

Enrolled in the **Computer Science and Engineering - 21761A05D8**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05821

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This certificate is dedicated to

BANAVATHU SAI MOUNIKA

This is to certify that Ms. Banavathu Sai Mounika (Reg.No.21761A05D9) from Lakireddy Bali Reddy College of Engineering (Autonomous), affiliated with JNTUK Kakinada, has successfully completed 4 Months internship on Web Development. The internship spanned 16 weeks and was organized by the **Ramchait Technologies Pvt.Ltd**

BALARAM NARESH CH (Director)



PEGA CERTIFIED SENIOR SYSTEM ARCHITECT

An Internship Report

**submitted in partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY**

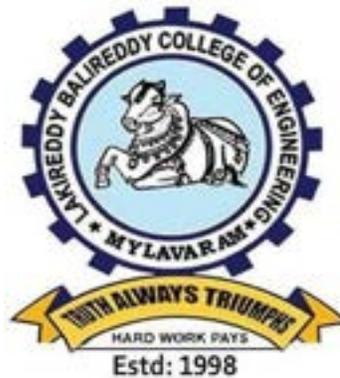
IN

COMPUTER SCIENCE & ENGINEERING

Submitted by

BAYIREDDY MANJUSHA

21761A05E0



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (ASE,CE,CSE,ECE,EEE,IT&ME)

An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, NTR Dist., ANDHRA PRADESH – 521230

2024-2025



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution since 2010)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I),

An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, NTR DIST., A.P.-521 230.

hodcse@lbrce.ac.in, cseoffice@lbrce.ac.in, Phone: 08659-222 933, Fax: 08659-222931

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that internship work entitled **“PEGA Certified Senior System Architect”** the bonafide work done by BAYIREDDY MANJUSHA (**21761A05E0**) in partial fulfillment of the requirements for the award of the degree in **BACHELOR OF TECHNOLOGY** in Computer Science and Engineering from **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING, MYLAVARAM** during the year 2024-2025.

D. Anil kumar
(Internship Coordinators)

Dr. D. Veeraiah
(Head of the Department)

EXTERNAL EXAMINER

CERTIFICATE OF COMPLETION



Certificate Of Achievement

Awarded to
Bayireddy Manjusha

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in blue ink, appearing to read "Alan Trefler".

Alan Trefler
Chairman and Chief Executive Officer

ACKNOWLEDGEMENT

I express my thanks to the support given by management in completing my work. I also express my sincere gratitude & deep sense of respect to the Principal **Dr. K. APPA RAO** for making us available all the required assistance & for his support & inspiration to carry out this work in the Institute.

I also take the privilege to record my thanks to **Dr. D. VEERAI AH** Head of the Department of CSE whose encouragement, cooperation and valuable support crown our success.

I would like to thank **Mr. P. VEERA SWAMY**, Sr. Assistant Professor who has been an inspiring guide and committed faculty and gave relief moral support in every situation of engineering career. The encouragement and support by him, especially in carrying out this project motivated us to complete this project.

I owe my acknowledgement to an equally long list of each people who helped me in this work. My sincere thanks to the Librarian of LBRCE who help me in getting many valuable books of actual editors.

I am thankful to the teaching and non-teaching staff of CSE department for their direct as well as indirect help in my work. I am elated to avail my selves to this opportunity to express my deep sense of gratitude to my parents.

Bayireddy Manjusha

21761A05E0

DECLARATION

We hereby declare that the project report entitled “**PEGA Certified Senior System Architect**” is submitted to JNTUK is partial fulfillment of the requirement for the award of the degree of bachelor of technology (B. Tech) is an original work carried out by us. The matter embodied in this Internship report is a genuine work by the students and has not been submitted earlier to this university or any other university for award of any degree or diploma or prize.

SUBMITTED BY

B.Manjusha

Executive Summary

This report summarizes my four-months internship towards achieving the PEGA Certified Senior System Architect, during which I gained expertise in both core and advanced Pega platform capabilities. Through intensive training and hands-on exercises, I deepened my understanding of application design, case management, integration, data modeling, and rule resolution strategies in Pega. A significant part of the certification process involved designing scalable, enterprise-grade solutions using best practices in Pega architecture. I worked on complex scenarios that required implementing dynamic case types, managing data pages, configuring security, and optimizing performance for robust application delivery. This experience strengthened my ability to design end-to-end Pega applications with reusable components and maintainable logic. Guided by expert mentors and real-world use cases, I received constructive feedback that enhanced my problem-solving approach and technical fluency. By the end of this certification, I had developed a solid command over the Pega platform, empowering me with the skills and confidence to architect advanced solutions in digital process automation and contribute effectively to enterprise-level project.

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1. ABSTRACT:

Low-code or no-code development is the creation of applications software using graphic user interfaces or minimal basic code instead of large strings of complex coding. This term is often used to describe citizen development processes and technology. Low-code and no-code technology provide visual drag-and-drop or point-and-click user interfaces, making them easy for anyone to use.

Application development is the process of creating a computer program to perform the different tasks that a business requires. From calculating monthly expenses to scheduling sales reports, applications help businesses automate processes and increase efficiency. Every app-building process follows the same steps: gathering requirements, designing prototypes, testing, implementing, and integrating.

The Agile methodology is a way to manage a project by breaking it up into several phases. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating. Continuous collaboration is vital, both with team members and project stakeholders.

2. ABOUT THE COMPANY – PEGA Academy

PEGA is the leader in cloud software for customer engagement excellence. The world's most recognized and successful brands rely on PEGA's AI-powered software to optimize every customer interaction on any channel while ensuring their brand promises are kept. PEGA's low-code application development platform allows enterprises to quickly build and evolve apps to meet their customer and employee needs and drive digital transformation on a global scale. For more than 35 years, PEGA has enabled higher customer satisfaction, lower costs, and increased customer lifetime value. PEGA Community is your gateway to documentation, training, support, components and language packs, partner programs, and client programs.

3. CONCEPTS IN PEGA

3.1 What is PEGA?

PEGA is a unified platform. Pega's low-code technology allows you to build an application that captures data and initiates business processes; while ensuring you are following organizational best practices and standards.

3.1.1 PEGA Platform Studios:

A workspace is an environment that provides specific tools and features. By using different workspaces to develop and manage your application, you can help team members focus on the tasks that align with their expertise.

Pega platform provides four role-based authoring workspaces, known as studios:

i. App Studio - Build an application without touching a line code- it is all possible with App Studio

- Low-code/no-code app development
- Multi-channel
- Mobile
- UI

ii. Dev Studio - Dev Studio allows developers to go deeper into the Pega Platform.

- Pega Platform advanced features
- Pega Marketplace

iii. Prediction Studio - Built-in decisioning and AI powers up applications built by Pega.

- AI
- Next Best Action

iv. Admin Studio – Manage security, DevOps, users, and cloud performance of your apps.

- DevOps
- Run-time status
- Cloud

3.1.2 Enterprise Class Structure:

An enterprise can have a complex organization structure with many locations. For example, an electronics retailer sells mobile devices and laptops in stores, online, and on social media. The electronics retailer needs a way to manage their channels, products, and customers. The customers of the electronics retailer are in different countries. The electronics retailer must maintain compliance with the regulations of each jurisdiction.

With some application development platforms, you must create separate copies of the application for each product, region, or channel. Or, you must create a single application that treats all business transactions the same, regardless of the business context. The result is hard-to-manage enterprise applications that do not scale.

Pega Platform enables you to organize your application by using the same dimensions as your business. Pega Platform makes reusing common policies and procedures easy while allowing for differences between products, regions, channels, and customer segments.

Pega platform supports this capability by using the class hierarchy called **Enterprise Class Structure (ECS)**.

3.1.3 Enterprise Class Structure Layers

i. Pega Platform Layer

The Pega Platform layer contains the built-in assets necessary for processing cases and other work in Pega applications. This layer also contains the assets Pega Platform uses.

ii. Organization layer

The Organization layer contains the assets used on an enterprise-wide basis. Such assets are rules for enterprise-wide business logic such as standard properties, decision tables, and service level rules. For example, an online retailer reuses a property that holds a customer account number throughout the retailer's business. The applications used across the enterprise can rely on the same account number property without having to make copies of the property in every application.

The Organization layer also contains enterprise-wide data assets such as classes and rules for data stored in the system, and classes and rules for access to data in external systems, via

connectors. For example, access to an external customer database is an integration point that may be added to the Organization layer.

iii. Division Layer

The Division layer contains the assets used on a division-wide basis. The division layer is the middle level of the three-level organization hierarchy (Org-Div-Unit) and is available for use in every application.

Assets in the Division layer may apply to a line of business, region, or brand. For example, a line of business wants to reuse a service level rule that defines the expected response time to a customer complaint in all of its applications.

3.2 Case Management

3.2.1 Child Cases

Complex business transactions may require the creation of multiple cases. For example, an auto insurance accident claim must be able to handle additional claims if the accident resulted in vehicle damage or physical injury. Based on this requirement, the Accident Claim case needs to generate separate Vehicle Damage and Body Injury cases if necessary. In Pega Platform™, you can model case relationships with a hierarchy of top-level cases and child cases.

A top-level case is a case that does not have a parent case but can become a parent of other cases. A child case represents work that requires completion to resolve the parent. A parent case that creates multiple child cases allows for the processing of work to occur in parallel. Different parties with different expertise can handle each child case. When processing child cases in parallel, the parent case needs to wait until one or all child cases are resolved before the parent case can be resolved.

Child cases are beneficial in situations where you want to:

- Model work that different parties perform.
- Model work that follows different reporting options.
- Model work that follows different time frames.
- Model work that is common to multiple case types.

3.2.2 Service Level Agreement (SLA)

A service-level agreement (SLA) establishes a work completion deadline. Organizations often establish service-level agreements to enforce on-time performance. These obligations range from informal response-time promises to negotiated contracts.

Consider a company's timesheet submission requirements. Employees must submit a timesheet within two business days of the workweek's end but no later than three business days. For the submission, we can have a goal, deadline, and passed deadline. Pega provides all these options in the case life cycle.

In the above example-

Goal-48 hours + 10(case urgency)

Deadline-72 hours + 20

Passed deadline - 96 hours + 30

Case urgency is the priority of the case. For example, in a parent case type for managing hospital patient records, a child case for updating current records may have a higher priority than a child case for transferring previous records.

Assignment urgency is the priority of completing an assignment. For example, collecting information on a new patient may have a lower priority than sending a prescription for an existing patient.

3.2.3 Optional Actions

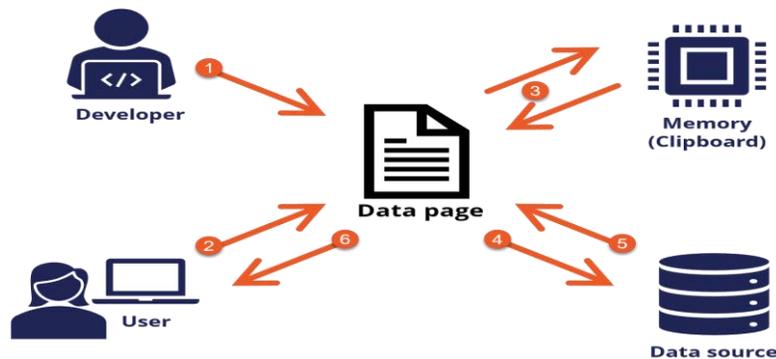
For example, while reporting a car accident to an insurance company, the customer mentions having a new phone number. The customer representative uses an optional action to update the customer's contact information.

Optional actions may also be common case-processing actions that may be invoked at varying times during the case. For example, Pega Platform provides an optional Change Stage action that may be called at any time during case processing.

3.3 Data Management

3.3.1 Data Pages

In Pega, **Data Pages** are a powerful mechanism used to source and cache data for use across the application. They help improve performance by avoiding repeated calls to external systems or databases. Data Pages can be configured to be read-only or editable, and can be set to load data automatically or on-demand. Depending on the scope defined—**Thread**, **Requestor**, or **Node**—data pages can be shared among different parts of the application, reducing redundancy and ensuring consistency. Developers can define data sources like connector rules, report definitions, or lookups to populate these pages, making them a central part of efficient and reusable data access in Pega applications.



i) Data Page Scope

The scope determines the visibility of the page contents within the application. A data page scope can be node, thread, or requestor.

a. Thread scope:

Use case: Caching stock pricing and volume data during a purchase or sale transaction.

Solution: Set the scope of the data page to Thread to ensure that each transaction references current pricing and volume data for the appropriate stock when creating the transaction request.

b. Requestor scope:

Use case: Caching a list of preferred shipping addresses for customer orders.

Solution: Set the scope of the data page to Requestor to use the list of shipping addresses for each order placed by a single customer. The customer can select the appropriate shipping address for each order without reloading the entire list each time.

c. Node scope

Use case: Caching a list of automobile makes and models to populate a set of searchable fields for an automobile insurance quote.

Solution: Set the scope of the data page to Node because the list of automobile makes and models is common to all quotes.

ii. Savable Data Pages

You can use savable data pages to save a page or page list of data specified in a data page back to its system of record (SOR) regardless of whether the SOR is Pega Platform or another system like an external database.

iii. Data sources

Use the Data sources section of the data page form to specify how Pega Platform populates the contents of a data page when an application references the page. To configure a data source, specify the type of the source and the name of the data source. You can use any of the following options to configure a data source for a data page.

- Data transform
- Activity
- Connector
- Remote Definition
- Database lookup
- Robotic automation
- Robotic desktop automation

3.3.4 Data Validation

In App Studio, you can configure validation conditions that perform a true/false comparison to the value of one field against either a constant value or the value of another field. More complex validation scenarios might require additional capabilities that are provided by validate rules in Dev Studio.

i. Validate Rules

Validate rules ensure that the data that your users provide meets the conditions that a case requires in order to go forward. By assigning validation rules to flow actions, you can prevent

users from entering information that your application cannot process and reduce the number of processing errors.

ii.Edit Validate Rules

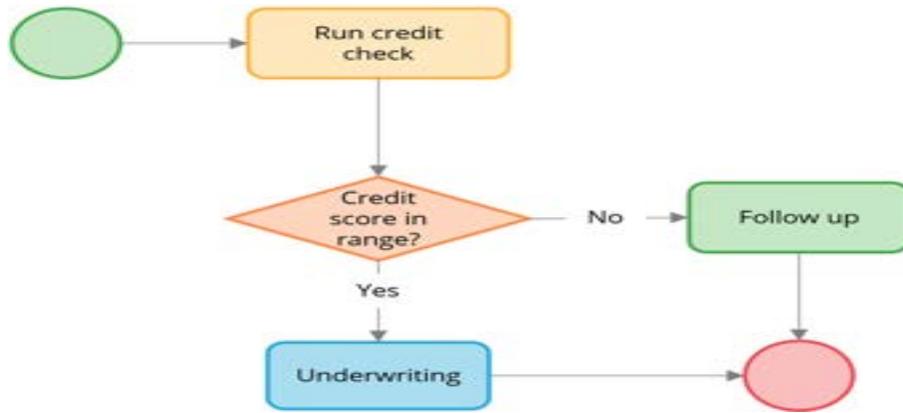
Edit validate rules are typically applied to properties, and consist of Java code that compares the value of a property to a defined pattern. For example, an edit validate rule can check whether a property value consists of seven numbers, with a space separating the third and fourth numbers. If the pattern match succeeds, the input is considered valid. Otherwise, the system flags the input with an error.

3.4 Data Approval and Routing

3.4.1 Decision Shapes

In Pega, Decision Shapes are flow elements used to introduce logic and branching within a flow. They allow the system to evaluate certain conditions and decide the path a case should follow based on those conditions. Common types of decision shapes include Decision (which uses When rules), Decision Table, Decision Tree, and Map Value. These shapes help automate business decisions, such as routing a case to a specific department based on priority or selecting a discount based on purchase amount. By using decision shapes, developers can ensure that the application behaves intelligently and dynamically, responding to various inputs and conditions without hardcoding the logic.

For example, the decision shape *Credit score in range?* models an automated decision following a credit check on a potential policy holder. The decision shape determines if an insurance agency wants to sign a new policyholder. If the result is *Yes*, then the customer is notified, and the work is routed to the underwriter. If the result is *No*, then the case proceeds to follow up with the customer, likely with a denial notification.



3.4.2 Routing

Routing is the process of assigning the right work to the right person. Either you can route the work to a single user or a group of users.

1. Worklist-Assignments that are routed to a particular user.

2. Work Queue-Assignments that are routed to a group of users, any user who is available can pick up the task. Work Queue is also referred to as Work Basket.

3. WorkGroup It is called a cross-functional team consisting of a manager, a group of users, and Work Queue.



4. Routing Options:

a. Assignment-level routing consists of 5 options:

- i. **Current User**-The user who is performing the current step or the user who has performed the previous step would continue next step.
- ii. **Specific User**-The work that is being allocated to a particular user.
- iii. **Work Queue**-Route the work to operator WQ based on availability and workload, based on availability and skillset.
- iv. **Custom-ToCreateOperator**-Route the case to who has created the case.
- v. **Business Logic**-Routing the work based on conditions.

- b. Approval-level routing** consists of two options. It is performed on Approval/Reject step
- i. **Single-level approval**-When a particular request must be approved by a single user then we will go for single-level approval.
 - ii. **Cascading approval**-When a particular request must be approved by a series of approvers then we will use cascading approval.

Cascading approval again consists of two options

- i. **Reporting Structure**-In Reporting Structure levels of approvals based on hierarchy.
- ii. **Authority Matrix**-It is used for the series of approvals, either can be inside as well as the organizational hierarchy.

4.USE CASE

Application: Emergency Help Services

CaseType: Emergency Services

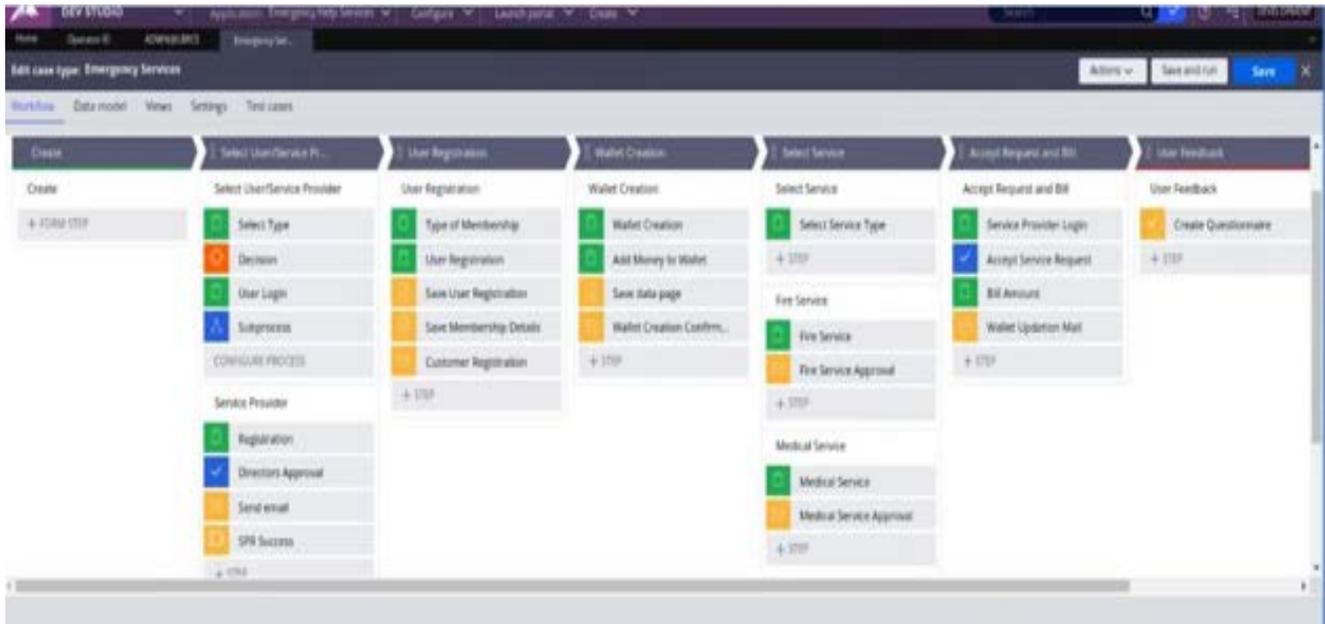
Description:

The Emergency Help Services application is designed for XYZ Company to efficiently manage and respond to urgent assistance requests such as Medical and Fire emergencies. Built on the Pega 8.4 platform, the system allows registered users to raise emergency alerts via dedicated buttons, automatically creating and routing cases to the appropriate service providers. The application supports individual and service provider registrations, with validations, approvals, and credential issuance processes built in. It includes wallet management to ensure users maintain minimum required funds based on age, location, and service type. Service providers are required to respond quickly to requests or face penalties, and those delivering high volumes of service can receive bonuses. The case lifecycle includes stages for service execution, fee collection, bonus processing, and feedback collection, all while supporting scalability for future emergency types and additional lines of business.

Actors included in the Case type:

- Customer
- Service Provider
- Admin

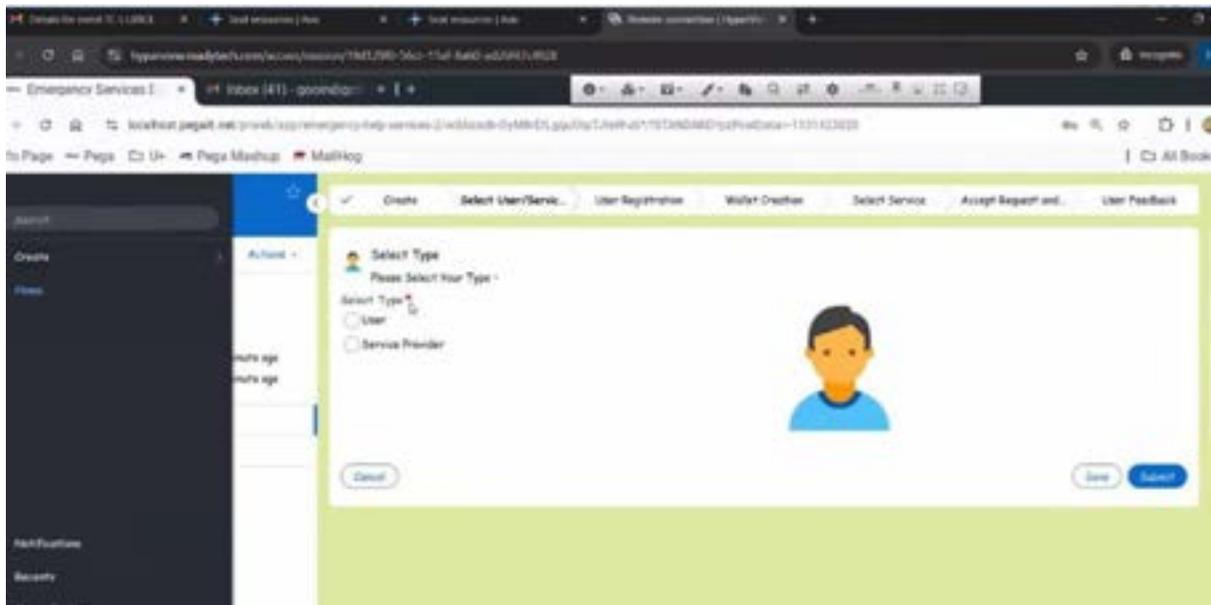
Case Life Cycle:



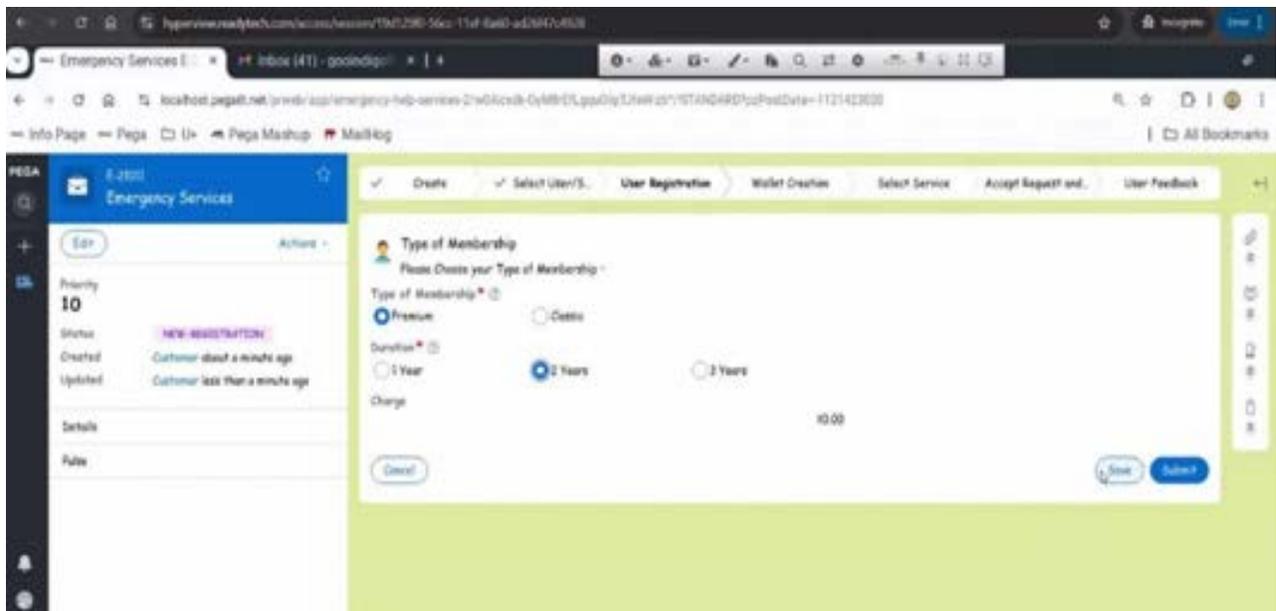
The case lifecycle of the Emergency Help Services application is designed to guide users and service providers through a structured flow for efficient emergency assistance delivery. It begins with a Create stage, followed by the Select User/Service Provider stage, where users identify their role and log in. In the User Registration stage, individuals or service providers provide membership and personal details for system registration. Next, in Wallet Creation, users set up their wallet, add funds, and confirm details using data pages. The Select Service stage allows users to choose between Fire or Medical services, each requiring respective approvals. Once a service is selected, the Accept Request and Bill stage handles service provider login, request acceptance, billing, and wallet update notifications. Finally, the process concludes with the User Feedback stage, where users can share their experience through a questionnaire. This structured flow ensures a seamless and responsive emergency service experience while maintaining accountability and traceability.

Execution of the Case type:

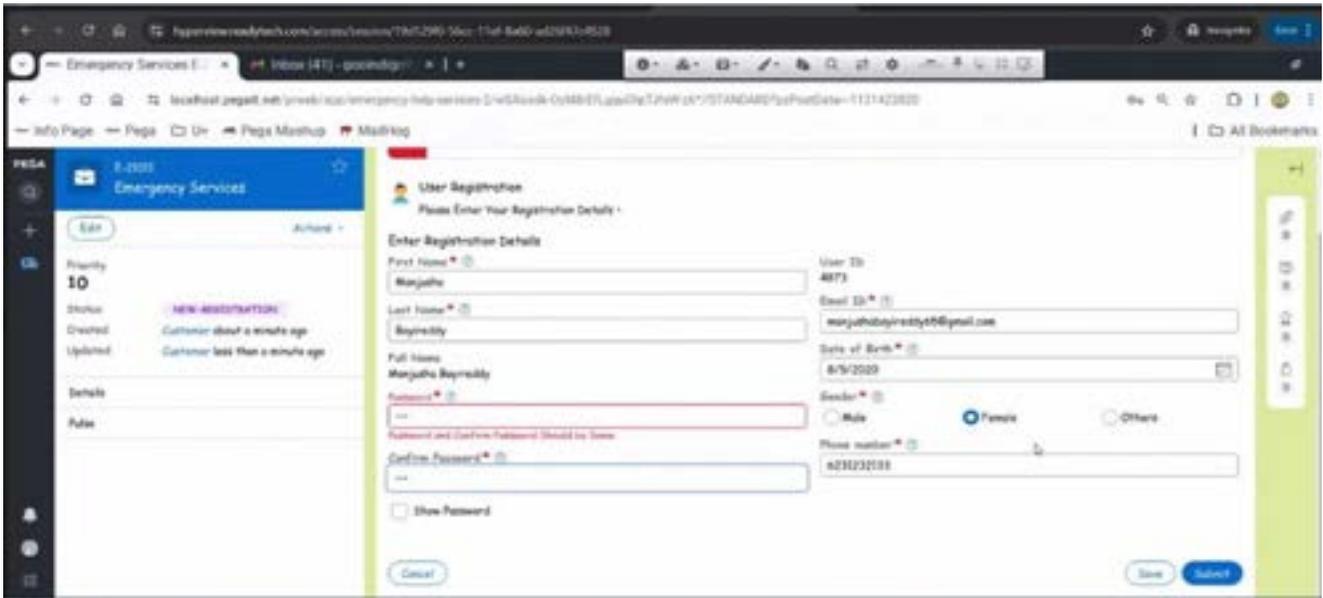
- i. The person needs to select whether he/she is a user or a service provider.



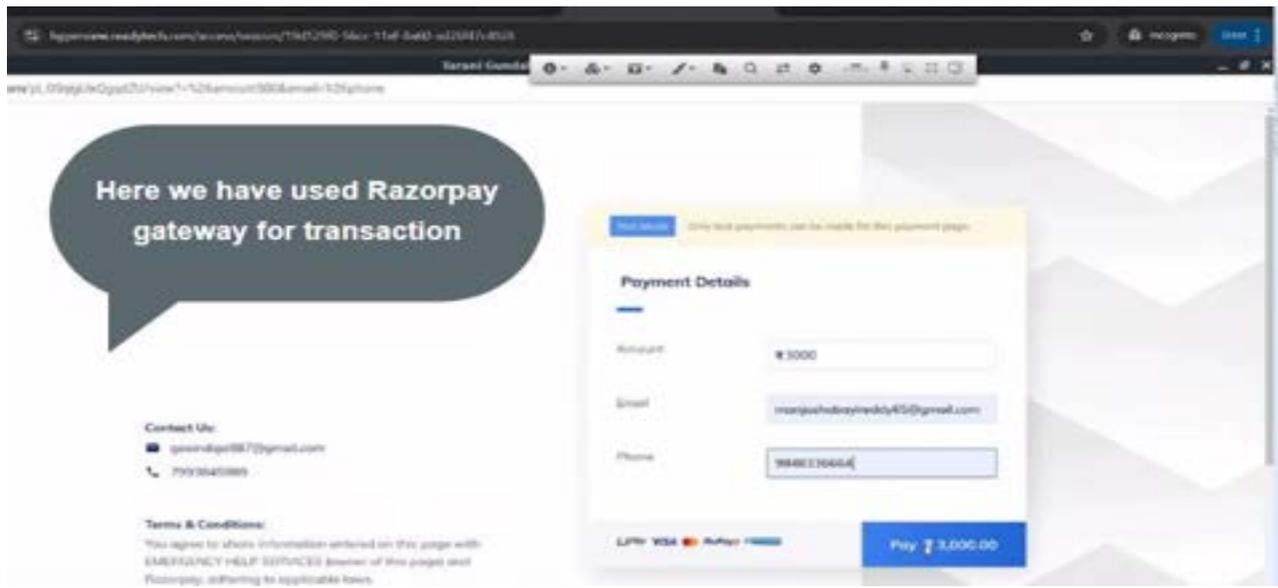
- ii. If the person is a user, he/she needs to select the membership. Based upon that the duration will be change and the charge also will be differ.



- iii. The user needs to provide the entire details for the registration purpose and also, here the validations will be done. If the user has provided the wrong information, then the error message will be displayed.



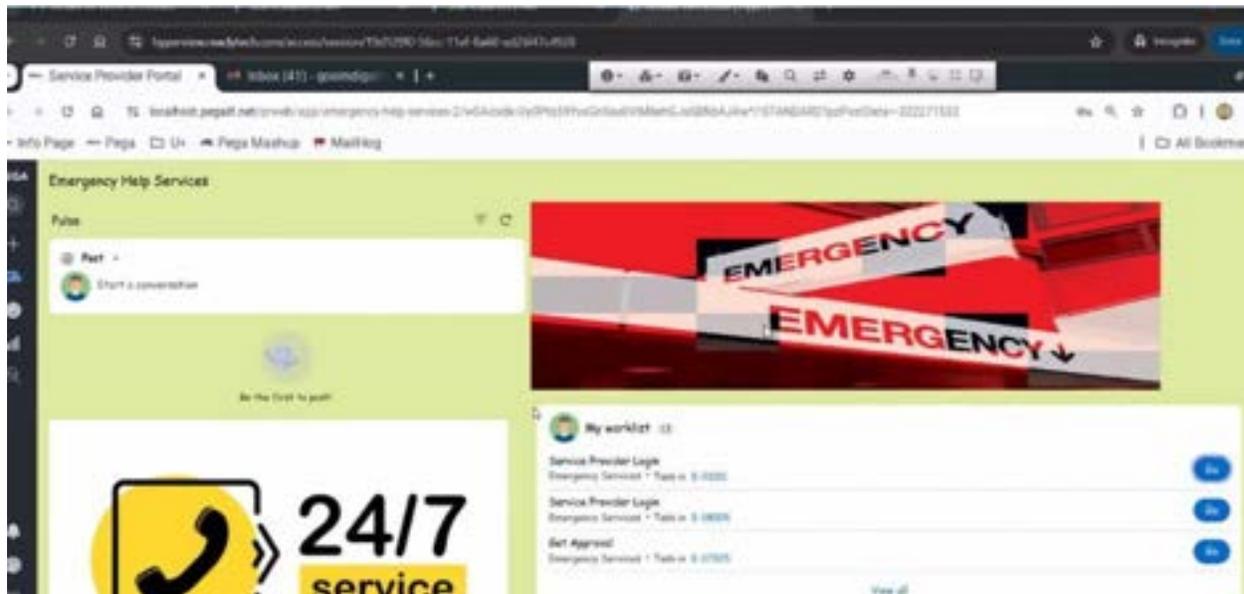
- iv. After the successful registration, the user needs to create the wallet to keep the money in case of emergency. For that purpose, here it included the payment process using the razor pay to pay the money to keep it into the wallet.



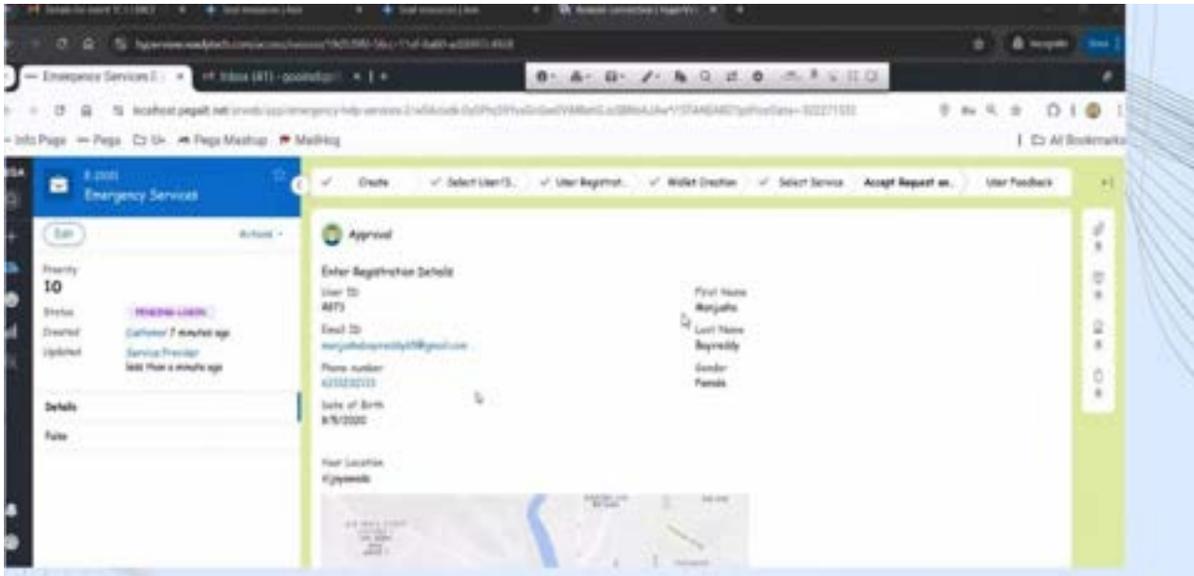
- v. If the user is new, he/she needs to create the wallet for availing the service, if the user is already existed then he/she can avail the service directly.



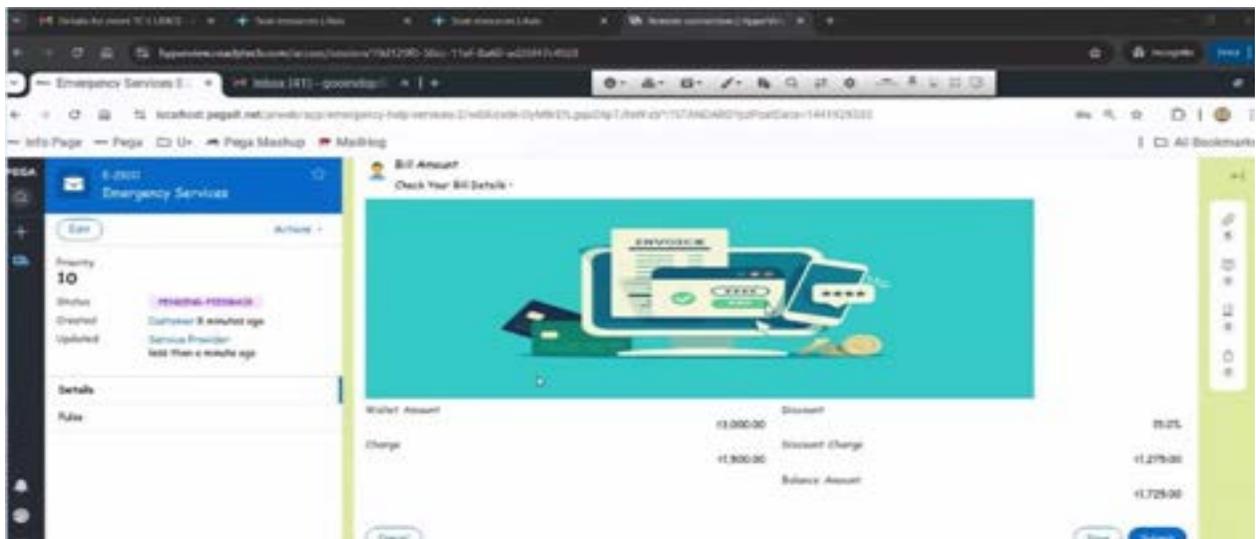
- vi. After the user has requested for the service, the service provider can able to see the request in his worklist. So that the service provider can accept/reject for the service that the user has opted.



- vii. For approving of the request, the service provider can able to see the details of the user. So after the request has come into the worklist of service provider, the service provider will see the details.



- viii. After the service provider has accepted the request, the user will able to see the bill details for the service they have opted. Here the charge discount will be based upon the membership registration.



- ix. The money based upon the charge along with the discount will be deducted from the wallet.
- x. This is how the case flow will work for this usecase.

Datatypes that have used in the usecase:

- Customer Details
- User Registration Plan
- New wallet data
- Service provider details

Rules that have used:

- **Properties**- Defines the data structure and store information
- **Sections** -Create the user interface layout
- **Data Pages**-Retrieve and cache data for reuse
- **Correspondence rules**- Manage email and messaging templates
- **Data Transforms**-Map and manipulate data between different format
- **Portals**- Customize user environments for different roles
- **When rules**- Define condition for decision making
- **Flow**- Control the process flow of a case or task
- **Access groups**- Controls the user permission access

5.CONCLUSION

The internship journey, which involved building a Pega application and earning the **Pega Certified Senior System Architect** credential, has been a highly enriching experience. This project provided me with practical knowledge of both foundational and advanced features of the Pega platform. Through the creation of the **Emergency Help Services** application, I was able to implement essential components such as case management, data pages, decisioning, validations, routing mechanisms, and UI development in a real-time scenario.

Working on this project deepened my understanding of designing robust, scalable, and reusable enterprise applications by following Pega's best practices. It also sharpened my analytical thinking and problem-solving abilities as I navigated complex workflows, data structures, and external system integrations.

In summary, this project not only solidified my technical skills in Pega but also prepared me to contribute meaningfully to digital process automation efforts. It has been a significant milestone in my career path as a system architect, boosting my confidence to handle real-world enterprise application development projects.

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- <https://academy.pega.com/topic/portals-and-pages/v1>
- <https://openai.com/index/chatgpt/>

CERTIFICATE OF COMPLETION

This is to certify that

BHAIRI SONASRI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5072

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

BHOGIREDDY RUPA SRI

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Bommina Srinivasarao

Enrolled in the **Computer Science and Engineering - 21761A05E4**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

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12-Apr-2025



Authorized Signature



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Chatla Vijay Kumar

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Machine Learning

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CH.JYOTHI

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Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



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DEVARAPALLI BHAVANA JASMINE

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Internship Program on

Artificial Intelligence and Machine Learning

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Dhanani Jnana Prasanna

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of university **JNTUK, Kakinada**

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Machine Learning

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This is to certify that

D. CHAITANYA NANDINI

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Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



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Date of Issue :2025-04-19

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DUMPA SUSHMA REDDY

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

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Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



Certificate Of Achievement

Awarded to
Hygriva Rao Duppala

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, reading "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Gade Lakshmi Prasanna

Enrolled in the **Computer Science and Engineering - 21761A05F2**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

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Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-16618

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

KARTHIK.G

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5083

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Karthik G.".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

GOLI RAMITHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5042

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Ramitha".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Golla Akshay

Enrolled in the **Computer Science and Engineering - 21761A05F5**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07246

Issued On
12-Apr-2025



Authorized Signature



07-Jan-2025

Candidate ID: 31879675

Golthi Madhu Appala Narasimha
B.Tech Computer Science & Engineering
Lakireddy Bali Reddy College of Engineering, Mylavaram

Dear **Golthi Madhu Appala Narasimha**,

Further to our Letter of Intent for the position of Programmer Analyst Trainee / Programmer Analyst aligned to the hiring category, we are pleased to offer you an internship with us at Cognizant office for a **period of 3 to 6 months**. Your internship on-boarding will be scheduled based on your availability factoring your college exam schedule, availability of your Provisional Certificate and our business requirements.

During this period, you will be provided with a stipend of **INR 12,000** per month equated to the planned duration of the Internship curriculum and will be paid only subject to successful completion of milestones as defined in the curriculum, prior to the monthly stipend processing window, for a given month based on your performance and attendance.

Though Cognizant Internship is a skilling program aimed at enhancing technical acumen , it does not guarantee employment and there is no employer – employee relationship during the course of this internship program. However, the successful completion of internship will form a critical part of your eligibility for employment with Cognizant if an opportunity arises in future.

You will be provided a learning curriculum as per the skill track assigned to you. The learning design would expect you to drive your learning through hands on exercise and project work. There will also be series of webinars, quizzes, Subject Matter Expertise (SME) interactions, mentor connects, code challenges, assessments etc. to accelerate your learning. The outcome during Internship would be monitored through formal evaluations.

Prior to joining on the rolls of Cognizant, you must have successfully completed the prescribed Internship program. In the event of unsatisfactory performance during the Internship or non-completion of the Internship, no Internship Completion Certificate shall be issued by Cognizant. Cognizant reserves rights at its sole discretion to revoke its Letter of Intent.

Section A: Terms and Conditions:

1. The Internship timings would be for 10 hours per day from Monday through Friday aligned to the working timings followed in Cognizant which based on the need could also be operated on a shift model. Attendance is mandatory on all the days to stay active in the Internship Program. The Internship Offer would be cancelled if the mandatory requirement of minimum 85% attendance at office is not met in a month.
2. Interns are covered under Cognizant's calendar holidays of the respective location of internship, and you would need to adhere with minimum attendance requirements. Prior approvals are must towards any unavoidable leave or break requests during the program and the internship would be cancelled if leaves are availed without prior approvals.
3. You would be required to ensure timely completion and submission of assignments, project work and preparation required prior to the sessions failing which your internship would be cancelled.
4. The Technical skills track mapped could change at the start or mid-way or even later during the program depending on business demand changes and you would be required to be flexible for this change failing which your internship would be cancelled.
5. Stipend payment will be done for the prescribed Internship Curriculum period only and no additional payment will be done for any delay in completion. Attendance and successful completion of Milestone(s) are the eligible factors for processing stipend payment and tenure spent will not guarantee your monthly stipend payment.

6. There would be zero tolerance to plagiarisms and misconduct during the internship. Adherence to Cognizant Internship policies and guidelines is mandatory and any breach or incident reported will lead to immediate cancellation of Internship without any notice. You would be required to complete Cognizant mandatory trainings such as Code of Conduct and Acceptable Use Policy (AUP) within the given timelines.

7. During the course of your Internship and at all times, you shall be governed by Cognizant's Social Media Policy and shall, refrain from posting malicious, libelous, defamatory, false, obscene, political, anti-social, abusive, and threatening messages/statements or disparaging the Company, clients, associates, competitors, or suppliers or any third parties, irrespective of whether any such statements are likely to cause damage to any such entity or person. Any breach of this section would lead to immediate cancellation of the Internship.

8. Cognizant reserves rights regarding IT infra as applicable and access to information and material of Cognizant during the internship period and may modify or amend the Cognizant GenC program terms and conditions from time to time.

9. It is hereby clarified that participation in this Internship shall not constitute you to be an employee of Cognizant nor obligates Cognizant for any purpose whatsoever. The scope of this Internship does not include any supervisory responsibilities and that there is no agency, fiduciary or employer-employee relationship intended or created by reason of this document.

10. Cognizant holds all rights to cancel this Internship Offer due to non-conformance of performance benchmark or moral code of conduct or in case of you failing to participate in the Internship within the given date/timeline or for such other any reasons upon providing written communication of the same to you. Upon such cancellation of this Internship Offer, your access and participation in the Internship shall stand cancelled.

11. At the time of your reporting for the internship, you will be required to sign a Non – Disclosure Agreement with the company. During the course of your internship and after completion of the same, you are required to maintain strictest confidentiality with respect to company proprietary or products that you access or come into contact with, during your project as an Intern, at all times as per our Policy. Use of company proprietary information or products shall not be made without prior permission from the concerned authority. Any breach of information security will be dealt as per Company Policy.

12. After successful completion of your internship if there is a business demand which expects you to get enabled on a different skill, you would be onboarded as full-time employee (FTE) and deployed into another formal training based on business demand to a specific skill track which will be used as basis towards your allocation to projects/roles. Successful completion of this training is mandatory to continue as an FTE with Cognizant.

13. This offer from Cognizant shall be active and **valid for only 3 calendar days** and hence you are expected to accept or decline the offer through the company's online portal within the said time-period of 3 calendar days and you will also be required to submit the mandatory documents at least **7 days** before your Internship Onboarding Date as part of your Pre-joining & Background Verification (BGV) process. In case you don't comply to the above timelines or if the background verification checks reveal unfavorable results at any time, this Offer shall stand withdrawn and will be considered as cancelled. Any official written extension to the offer validity and the above-mentioned timelines will be at the sole discretion of Cognizant.

14. For avoidance of doubt, it is herewith stated that the Internship shall stand cancelled on the below scenarios as well:

- a. In the event of you accepting this Internship Offer but not joining into the Internship on the specified date and at the specified location of on-boarding.
- b. In the event of you not accepting this Internship Offer or failing to communicate acceptance within 3 calendar days as stated above, the opportunity to do internship will be cancelled.
- c. For such other operational, regulatory reasons including breach of terms herein.

Thereupon, your access shall also stand revoked, and Cognizant shall not be obligated to extend nor be liable for any claims due to cancellation of this Internship Offer.

On any of the above-mentioned scenarios (Refer to **Section A: Terms and Conditions**), if your Internship Offer has been cancelled then your Letter of Intent would also be revoked at the sole discretion of Cognizant

Below are the **mandatory documents** to be submitted as part of your **Background Verification**:

- Your Pan Card
- Letter of Authorization (LOA) which should be downloaded from the BGV application hand signed with your name and date and re-uploaded back to the application

Below are the **mandatory documents** to be submitted as part of your **Pre- joining formalities**:

- 2 Passport sized Photographs preferably with a White background
- Personal individual bank account from a nationalized bank for processing stipend

In case of additional queries or concerns, you can raise a query at <https://campus2Cognizant.cognizant.com>

We wish you good luck.

Yours sincerely,
For **Cognizant Technology Solutions India Pvt. Ltd.**,



Maya Sreekumar
Vice President - Human Resources

I have read the offer, understood and accept the above mentioned terms and conditions.

Signature:

Date:



Certificate Of Achievement

Awarded to
Gundala Taruni

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, appearing to read "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer

CERTIFICATE OF COMPLETION

This is to certify that

VASAVI.I

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5086

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Ramu" or similar.

Director - Operations

SNOVASYS SOFTWARE SOLUTIONS INDIA PVT LTD
(CIN - U72200AP2014FTC095671)

SNOVASYS
We Love To Help You Succeed

Hyderabad & Ongole

18th April 2025

To,

Kandimalla Srinivas S/O Venkata Ramaiah,
H.No: 3-76, Raju Palem,
R L Puram,
Chimakurthi,
Prakasam
Andhra Pradesh-523226,
Cell no: 7780316424.

Internship Confirmation Letter

Dear Mr. **Kandimalla Srinivas**,

We would like to confirm that your application for internship for the position of Software Trainee in Snovasys Software Solutions India Private Limited has been accepted. Here are the terms of internship while working with the company:

1. Duration of internship will be from 10th February 2025 to 10th April 2025.
2. You will be designated as "Software Trainee" and will be entitled for a stipend of Rs. 10,000/- Per Month. As per company's Policy.
3. You will not be entitled or any other benefits from the company during this tenure.
4. From time to time, your performance will be evaluated and based on this, your incentives will be decided.
5. During internship, you are expected to abide by the Code of Conduct prescribed by the company for all the employees.

You are requested to submit your acceptance to the terms mentioned above as confirmation of your internship.

Please feel free to contact us in case of further details. Wishing you good luck for your future endeavours.

All the very best.

Giribabu Yendluri
HR Manager
Snovasys Software Solutions India Pvt. Ltd.

Signed by:

33002C3C2EAF428
Kandimalla Srinivas

CERTIFICATE OF COMPLETION

This is to certify that

KANDIMALLA SRINIVAS

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5043

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Srinivas" or similar.

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

MANOJ.K

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5109

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

SASIKUMAR.K

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5096

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "S. Sasikumar".

Director - Operations

Offer Letter
Private and Confidential

25th October 2024
Kokkiligadda Pavan Kumar
Aadhar Number: 856786251508

Dear **Kokkiligadda Pavan Kumar**,

We are pleased to offer you, the position of **Trainee Software Engineer** with PalTech Consulting Private Limited (the 'Company') on the terms and conditions as set out in this letter:

1. Commencement of employment

Will be communicated at an appropriate time.

2. Job title

Your Job title will be **Trainee Software Engineer**

3. Salary

You're entitled for Annual Compensation of **INR 3,00,000 (Rupees Three Lakh Only)** during training and **INR 5,00,000 (Rupees Five Lakh Only)** upon successful completion of training, and a retention bonus of **INR 1,00,000 (Rupees One Lakh Only)**

The Retention Bonus is disbursed post completion of 24 months after date of joining

Fixed Pay	Yearly	Monthly
Basic	1,50,000	12,500
HRA	60,000	5,000
Special Allowance	62,400	5,200
Standard Benefits		
PF Employer contribution	21,600	1,800
Gratuity	6,000	500
CTC	3,00,000	25,000

* You will be entitled to participate in the benefits plan as offered by the Company from time to time. The Company reserves the right to amend or discontinue any or part of the benefits plan, to the extent allowed by applicable legislation without compensation for such amendment or discontinuance.

4. Place of posting

You will be posted at Hyderabad, Telangana. You may however be required to work at any place of business which the Company has or may later acquire.

5. Hours of Work

The normal working days are from Monday to Friday. You will be required to work for such hours as necessary for the proper discharge of your duties to the Company. You are expected to work not less than 45 hours each week, and if necessary for additional hours depending on your responsibilities.

6. Leave/Holidays

1. You are entitled to Earned leaves of 20 days per Annum.
2. The Company shall notify a list of declared holidays in the beginning of each year

7. Nature of duties

You will perform to the best of your ability all the duties as are inherent in your post and such additional duties as the company may call upon you to perform, from time to time. Your specific duties are set out in Schedule II hereto.

8. Company property

You will always maintain in good condition Company property, which may be entrusted to you for official use during the course of your employment and shall return all such property to the Company prior to relinquishment of your charge, failing which the cost of the same will be recovered from you by the Company.

9. Borrowing/accepting gifts

You will not borrow or accept any money, gift, reward or compensation for your personal gains from or otherwise place yourself under pecuniary obligation to any person/client with whom you may be having official dealings.

10. Data Privacy

By signing this agreement, you acknowledge and agree that any personal information and data (whether belonging to you or your dependents and beneficiaries) which you supply to the Company, or which is received by the Company with your consent, may be retained by the Company for any purposes related to your employment under this agreement. Such information and data may be used by the Company and may be transferred to any company/body corporate within the group or our appointed agents, whether locally or overseas, only in connection with your employment.

11. Termination

1. Your appointment can be terminated by the Company, without any reason, by giving you not less than 2 months (60 days) prior notice in writing or salary in lieu thereof. For the purpose of this clause, salary shall mean basic salary.
2. You may terminate your employment with the Company, without any cause, by giving no less than 2 months (60 days) prior notice or salary for unsaved period, left after adjustment of pending leaves, as on date.
3. The Company reserves the right to terminate your employment summarily without any notice period or termination payment, if it has reasonable ground to believe you are guilty of misconduct or negligence or have committed any fundamental breach of contract or caused any loss to the Company.

4. On the termination of your employment for whatever reason, you will return to the Company all property; documents and paper, both original and copies thereof, including any samples, literature, contracts, records, lists, drawings, blueprints, letters, notes, data and the like; and Confidential Information, in your possession or under your control relating to your employment or to clients' business affairs.

12. Confidential Information

1. During your employment with the Company, you will devote your whole time, attention, and skill to the best of your ability for its business. You shall not, directly, or indirectly, engage or associate yourself with, be connected with, concerned, employed or engaged in any other business or activities or any other post or work part time or pursue any course of study whatsoever, without the prior permission of the Company.

You must always maintain the highest degree of confidentiality and keep as confidential the records, documents and other Confidential Information relating to the business of the Company which may be known to you or confided in you by any means, and you will use such records, documents, and information only in a duly authorized manner in the interest of the Company. For the purposes of this clause 'Confidential Information' means information about the Company's business and that of its customers which is not available to the general public, and which may be learnt by you in the course of your employment. This includes, but is not limited to, information relating to the organization, its customer lists, employment policies, personnel, and information about the Company's products, processes including ideas, concepts, projections, technology, manuals, drawing, designs, specifications, and all papers, resumes, records and other documents containing such Confidential Information.

2. At no time, will you remove any Confidential Information from the office without permission.
3. Your duty to safeguard and not disclose Confidential Information will survive the expiration or termination of this Agreement and/or your employment with the Company.
4. Breach of the conditions of this clause will render you liable to summary dismissal under clause above in addition to any other remedy the Company may have against you in law.

13. Non-Solicitation/Non-Compete

You agree that during your employment with the Company and for a period of 12 months after the termination of your employment, you shall not, directly or indirectly, whether for or on behalf of yourself or any other person or entity

1. Induce or attempt to induce any employee of the Company to leave his / her employment with the Company.

2. Interfere in any way with the relationship between the Company and any of their respective employees.
3. Hire or solicit for hire or participate with any other person or entity in hiring or soliciting for hire any individual who is an employee of the company or was an employee of the Company within one year of such hire or solicitation.
4. Induce or attempt to induce any Prospective Client, or any person or entity who had been a client within the prior 12 months, or any investment manager, supplier, licensee, licensor, or other business relation of the Company that you had knowledge of or dealings with, to not do, or cease doing business, with the Company. OR Interfere in any way with the relationship between any such past, present or Prospective Client, or any investment manager, supplier, licensee, licensor or other business relation of the Company that you had knowledge of or dealings with during your employment with the Company.

14. Notice

Notices may be given by you to the Company at its registered office address. Notices may be given by the Company to you at the address intimated by you in the official records.

15. Applicability of Company Policy

You will be subject to staff policies and regulations as determined by the Company from time to time. You shall be also responsible to adhere to and discharge all the duties and obligations of an employee mentioned in the applicable laws including prevention of sexual harassment laws. The Company reserves the right to amend its staff policies and regulations as appropriate without giving prior notice to employees. The policies and procedures, however, do not form part of these terms of employment, and you acknowledge that they do not provide you with any contractual right or entitlement.

16. Reference checks and Acceptance

This offer and acceptance are subject to receipt by the Company of satisfactory reference checks/background checks as required by the Company for verification of your employment history. Any false or misleading information provided to the Company may result in rescind of this offer and acceptance or immediate termination of your employment without any notice and compensation.

17. Other Terms & Conditions:

1. You agree to sign undertakings as may be required by the Company from time to time.
2. Your employment with the Company will be in the nature of full-time employment and you shall not undertake any other part time or full-time employment of any nature, without prior approval from the Company.
3. You agree that you are currently not a party to any such agreement which restricts you from accepting this offer and subsequently joining the Company. Further, you agree that your acceptance of this offer will not conflict with, result in a breach of, or constitute a default under any agreement, order, judgment or decree of any kind to which you are a party or by which you are bound. In the unfortunate event of such a conflict or breach, you also agree that this shall be deemed completely as your

responsibility, and the Company will no way be responsible for any such breach or conflict.

4. The Company shall be entitled to rescind this offer and acceptance or terminate your employment, with immediate effect and without notice or liability, if any of the conditions laid down of your employment are not fulfilled or completed to the satisfaction of the Company.
5. If you're entitled to receive a joining bonus. The Joining Bonus shall be paid along with first full pay period (Pay period is monthly). If employment is terminated within one year of the Date of Joining by the Employee. Employee shall and hereby does agree to repay the Company in full for the Joining Bonus.

18. Governing Law/Jurisdiction

Your employment with the Company is subject to Indian laws. All disputes shall be subject to the jurisdiction of Telangana State only.

19. Acceptance of our offer

Please confirm your acceptance of this Contract of Employment by signing digitally.

We hope that you will become a valuable member of our team and make a significant contribution to the organization. We look forward to working with you.



Regards,
Rajesh Jonnalagadda
Human Resources



Signed & Accepted
Kokkiligadda Pavan Kumar

PaITech Offer Letter_Kokkiligadda Pavan Kumar

Final Audit Report

2024-10-27

Created:	2024-10-25
By:	Rajesh Jonnalagadda (rajesh@pal.tech)
Status:	Signed
Transaction ID:	CBJCHBCAABAAFP1_MBwDEWk0ANsUQuUNe3T8K6Fw2VgE

"PaITech Offer Letter_Kokkiligadda Pavan Kumar" History

-  Document created by Rajesh Jonnalagadda (rajesh@pal.tech)
2024-10-25 - 3:14:11 PM GMT
-  Document emailed to k.pavankumar44222@gmail.com for signature
2024-10-25 - 3:14:15 PM GMT
-  Email viewed by k.pavankumar44222@gmail.com
2024-10-25 - 3:15:11 PM GMT
-  Signer k.pavankumar44222@gmail.com entered name at signing as K. Pavan Kumar
2024-10-27 - 3:35:15 PM GMT
-  Document e-signed by K. Pavan Kumar (k.pavankumar44222@gmail.com)
Signature Date: 2024-10-27 - 3:35:17 PM GMT - Time Source: server
-  Agreement completed.
2024-10-27 - 3:35:17 PM GMT

CERTIFICATE OF COMPLETION

This is to certify that

KONATHAM SIVA SAI SUBRAHMANYAM

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5072

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. S. Subrahmanyam".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

K. LAKSHMI NAGA PRASANNA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5106

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

LAMU LAKSHMI PRIYANKA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5030

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

LAVANYA KOTTADATTI

*has successfully completed her "Semester internship in" **Full stack with Java**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Lekkala Pavan Sai

Enrolled in the **Computer Science and Engineering - 21761A05G7**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Full Stack Java

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-10568

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Manimala Vyasa Rama Surya Kumar

Enrolled in the **Computer Science and Engineering - 21761A05G8**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-16614

Issued On
12-Apr-2025



Authorized Signature

Intern - Offer of Employment

Mannam Sai Anitha

Software Engineer - Intern

Dear **Sai Anitha,**

Following our discussions, we are pleased to offer you the position of **"Software Engineer-Intern"** with Divami Design Labs Pvt. Ltd., subject to your acceptance of the terms and conditions contained herein.

Compensation

You will be joining as an intern starting on **16th December 2024**, for a duration of 6 to 9 months or until the completion of your graduation. The stipend would be Rs.20,000/- of this, 10% will be deducted as TDS (Tax Deducted at Source) and remitted to the appropriate tax authority on your behalf every month.

Post that, subject to your performance, a decision on Annual CTC will be made in the range of 4.5 Lakhs - 6 Lakhs per annum.

Prerequisite

You have to submit all the scanned copies of your originals within a week of your joining. Your appointment will be subject to verification of your certificates against the information provided by you in your resume and during the interview.

Place of work

Please report to our office at 3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032 on/before 16th December, 2024 at 10.00 AM. Your initial place of work would be at the above mentioned office and we may also depute you to any work, or assign your services to any of our existing or future affiliates, clients or associates.

Working Week

The normal working days per week and working hours per day of Divami are from Monday to Friday and from 9.30 A.M to 6.30 P.M. The normal working days and normal hours of work can be changed by the Company to suit the exigencies of work programmes and emergencies. You can adjust your working hours on a normal working day for effective achievement of business

divami

Design Labs Pvt Ltd

3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032

info@divami.com www.divami.com (A - 11120012/2019/16280)

goals, along with your personal requirements. Every intern should work for a minimum of 40 hours at work (excluding lunch break) each week.

Holidays and Leaves

Holidays would be as per the list declared by Divami from time to time.

As an intern of Divami you will be entitled to 12 days of multipurpose leave per annum.

Notice Period

Either party may terminate the employment agreement, for any reason or on convenience, by giving 15 days or notice pay in lieu of to the other party without assigning any reason whatsoever.

Divami reserves the right to terminate your Internship:

- At any time for any reason, with or without cause, by giving 15 days notice or notice pay in lieu thereof
- With immediate effect, if you are negligent or irregular or inefficient in the discharge of your duties; if you commit a breach of any of the obligations to be observed and performed by you in relation to the rules and regulations of the Company notified from time to time;
- With immediate effect, if you are guilty of misconduct as judged by the Company.

General Regulations

- You are expected to devote your entire working time, energy, and attention exclusively to the work of Divami, and should not take up any other direct or indirect business or work, while in employment, unless permitted in writing by the Company.
- You shall be responsible for the safekeeping of all Company property that is being used by you or left in your custody and shall upon the request of the Company, You shall be required to ensure that you shall not be sharing or using Divami's proprietary information in any media or form with non employees of Divami or its customers; during your employment or post your employment, unless you have written permission from Divami.
- All intellectual property rights in India and abroad, for the full term of such rights, in any "work" or in any other matter conceived/created/made fully or in part by you during your period of employment with Divami, shall stand automatically an exclusive property of the Company and shall be disclosed in writing promptly to the Company. You shall also at the cost of the Company execute and register, all documents required, statutorily or otherwise by the Company, to further confirm the above ownership rights in favor of the Company.

divami

Divami Group Ltd. Private

17/104, Vignesh Nagar, Besant Nagar, Chennai - 600 090. hr@divami.com / divami.com / www.divami.com

HR@divami.com www.divami.com CN: 5713311238700000

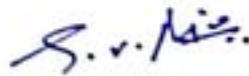
- You shall execute the Security and Confidentiality Regulations of the Company with respect to protection of confidential information of the Company.
- You understand that if you are deputed on any work/assignment/project at locations specified by customers, you will gain extensive knowledge and information of customers' business and their specific requirements and skills, which would be of great value to the Company, and which knowledge, information and skills the Company would want to utilize on completion of such deputation. Therefore, you agree that after completion of such deputation for a duration of more than 45 days, you continue in employment with the Company for a period of at least 6 months from the end of such deputation.
- During your employment with Company and for a period of one year immediately following termination of your internship, for any reason whatsoever, you shall not:
 - o Directly or indirectly contact, seek or accept employment with any third party (including past, present or prospective customers) that you have interacted with, or have provided any services to whether directly or indirectly during the course of your employment with the company. You acknowledge that any violation of this obligation may result in legal proceedings for actual damages ensued to the Company; or
 - o Directly or indirectly, contact, recruit, solicit or hire any of the employees of the Company, or induce or attempt to induce any employee of the Company to terminate his/her employment with, or otherwise cease or damage his/her relationship with the Company.

If you agree to these terms and conditions, kindly confirm your acceptance of the Intern offer by signing and returning the duplicate copy of this letter for my attention within a week from the date of receipt of this letter or before the joining date, whichever is earlier.

We at Divami are impressed by your skills and hope that you shall help us build an even more successful Company, while developing an excellent career for yourself.

If you have any questions, please do not hesitate to call us. We welcome you to the Divami family and wish you a rewarding career over the years to come.

Yours sincerely,



V R R G Raju Gottumukkala
Head of Delivery

divami

Compassionate HR

17th Floor, Indraprastha Park, Sector 16, Gurgaon, Haryana | Phone: +91 98999 99999 | Email: hr@divami.com
www.divami.com | LinkedIn: <https://www.linkedin.com/company/divami>

CERTIFICATE OF COMPLETION

This is to certify that

MARAM GAYATHRI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5035

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Matta.Durgasravani

Enrolled in the **Computer Science and Engineering - 21761A05H1**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07434

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Merajyothu Venkateswarlu Naik

Enrolled in the **Computer Science and Engineering - 21761A05H2**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07408

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Mohammad Abdul Samad

Enrolled in the **Computer Science and Engineering - 21761A05H3**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-08884

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Mokkapati Siva Sai Saranya

Enrolled in the **Computer Science and Engineering - 21761A05H4**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07451

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

MULLANGI RAJU

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5095

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



Certificate Of Achievement

Awarded to
Prasanth Namburi

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, appearing to read "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer

Intern - Offer of Employment

Kasi Viswesh parasalapudi

Software Engineer - Intern

Dear *Kasi Viswesh*

Following our discussions, we are pleased to offer you the position of "Software Engineer-Intern" with Divami Design Labs Pvt. Ltd., subject to your acceptance of the terms and conditions contained herein.

Compensation

You will be joining as an intern starting on **16th December 2024**, for a duration of 6 to 9 months or until the completion of your graduation. The stipend would be Rs.20,000/- of this, 10% will be deducted as TDS (Tax Deducted at Source) and remitted to the appropriate tax authority on your behalf every month.

Post that, subject to your performance, a decision on Annual CTC will be made in the range of 4.5 Lakhs - 6 Lakhs per annum.

Prerequisite

You have to submit all the scanned copies of your originals within a week of your joining. Your appointment will be subject to verification of your certificates against the information provided by you in your resume and during the interview.

Place of work

Please report to our office at 3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032 on/before 16th December, 2024 at 10.00 AM. Your initial place of work would be at the above mentioned office and we may also depute you to any work, or assign your services to any of our existing or future affiliates, clients or associates.

Working Week

The normal working days per week and working hours per day of Divami are from Monday to Friday and from 9.30 A.M to 6.30 P.M. The normal working days and normal hours of work can be changed by the Company to suit the exigencies of work programmes and emergencies. You can adjust your working hours on a normal working day for effective achievement of business

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Divami Design Labs Pvt Ltd

3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032
info@divamiconn.com, www.divami.com | CA - 011230152018/1106-1107

goals, along with your personal requirements. Every intern should work for a minimum of 40 hours at work (excluding lunch break) each week.

Holidays and Leaves

Holidays would be as per the list declared by Divami from time to time.

As an intern of Divami you will be entitled to 12 days of multipurpose leave per annum.

Notice Period

Either party may terminate the employment agreement, for any reason or on convenience, by giving 15 days or notice pay in lieu of to the other party without assigning any reason whatsoever.

Divami reserves the right to terminate your Internship:

- At any time for any reason, with or without cause, by giving 15 days notice or notice pay in lieu thereof
- With immediate effect, if you are negligent or irregular or inefficient in the discharge of your duties; if you commit a breach of any of the obligations to be observed and performed by you in relation to the rules and regulations of the Company notified from time to time;
- With immediate effect, if you are guilty of misconduct as judged by the Company.

General Regulations

- You are expected to devote your entire working time, energy, and attention exclusively to the work of Divami, and should not take up any other direct or indirect business or work, while in employment, unless permitted in writing by the Company.
- You shall be responsible for the safekeeping of all Company property that is being used by you or left in your custody and shall upon the request of the Company, You shall be required to ensure that you shall not be sharing or using Divami's proprietary information in any media or form with non-employees of Divami or its customers; during your employment or post your employment, unless you have written permission from Divami.
- All intellectual property rights in India and abroad, for the full term of such rights, in any "work" or in any other matter conceived/created/made fully or in part by you during your period of employment with Divami, shall stand automatically an exclusive property of the Company and shall be disclosed in writing promptly to the Company. You shall also at the cost of the Company execute and register, all documents required, statutorily or otherwise by the Company, to further confirm the above ownership rights in favor of the Company.

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Divami Design Labs Pvt Ltd

3rd Floor, Indraprastha Park, Sector 18, Connaught Place, New Delhi 110028, India | Phone: +91 11 2610 5000

Website: www.divamicons.com | Email: hr@divamicons.com

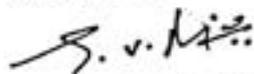
- You shall execute the Security and Confidentiality Regulations of the Company with respect to protection of confidential information of the Company.
- You understand that if you are deputed on any work/assignment/project at locations specified by customers, you will gain extensive knowledge and information of customers' business and their specific requirements and skills, which would be of great value to the Company, and which knowledge, information and skills the Company would want to utilize on completion of such deputation. Therefore, you agree that after completion of such deputation for a duration of more than 45 days, you continue in employment with the Company for a period of at least 6 months from the end of such deputation.
- During your employment with Company and for a period of one year immediately following termination of your internship, for any reason whatsoever, you shall not:
 - o Directly or indirectly contact, seek or accept employment with any third party (including past, present or prospective customers) that you have interacted with, or have provided any services to whether directly or indirectly during the course of your employment with the company. You acknowledge that any violation of this obligation may result in legal proceedings for actual damages ensued to the Company; or
 - o Directly or indirectly, contact, recruit, solicit or hire any of the employees of the Company, or induce or attempt to induce any employee of the Company to terminate his/her employment with, or otherwise cease or damage his/her relationship with the Company.

If you agree to these terms and conditions, kindly confirm your acceptance of the Intern offer by signing and returning the duplicate copy of this letter for my attention within a week from the date of receipt of this letter or before the joining date, whichever is earlier.

We at Divami are impressed by your skills and hope that you shall help us build an even more successful Company, while developing an excellent career for yourself.

If you have any questions, please do not hesitate to call us. We welcome you to the Divami family and wish you a rewarding career over the years to come.

Yours sincerely,



V R R G Raju Gottumukkala
Head of Delivery

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Divami Design Labs Pvt Ltd

5th floor, Indraprastha Park, 4th cross, Easting Mall, MG Road Post, P Jeevanbasa Nagar, Gachibowli, Hyderabad - 500032
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I have read and understood the terms and conditions of the above Appointment Offer and I unconditionally accept the same without any reservations whatsoever.

Signed by: P. Kasi Viswesh

Name: P. Kasi Viswesh

Date: 03-12-2024

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Excellence in HR

5th Floor, Indira Nagar, Bangalore - 560025. Phone: +91 98456 78901. Email: hr@divami.com
www.divami.com | CA 0123456789012

CERTIFICATE OF COMPLETION

This is to certify that

P. GEETHA SOWJANYA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5101

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Sowjanya".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

P. VASANTHI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5116

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

P. VARSHITHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5047

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

PINGALA GANGA BHAVANI

*has successfully completed her "Semester internship in" **Full stack with Java**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER

CERTIFICATE OF COMPLETION

This is to certify that

PONNURU SRAVYA KARTHIKA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5044

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

S. VAMSI KRISHNA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5088

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

Phishing Email Detection Using Machine Learning and Reinforcement Learning

A Project Report

submitted in partial fulfillment of the requirements for the award of
the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & ENGINEERING

Submitted by

Shaik Bashith Ali

21761A05I5



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I)

An ISO 21001:2018, 14001:2015, 50001:2018 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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2021-2025



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that training work entitled “**Phishing Email Detection Using Machine Learning and Reinforcement Learning**” is a bonafide work carried out in the 8th semester by **Shaik Bashith Ali (21761A5I5)**, in partial fulfillment for the award of B. Tech in Artificial Intelligence and Data Science from Jawaharlal Nehru Technological University Kakinada during the academic year 2021-25.

Mr. D. Anil kumar
(Internship Coordinator)

Dr. D. Veeraiah
Head of the Department

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

I extend my deepest appreciation to my project guide, **Mr.P.Veera Swamy, Sr. Assistant Professor**, for their invaluable guidance, constant support, and insightful feedback throughout this project. Their encouragement and expertise have been instrumental in shaping my work.

I extend my heartfelt thanks to **Dr. D. Veeraiah**, Professor & Head of the Department, CSE for providing the necessary resources and a conducive environment for research and learning.

I express my thanks to the support given by management in completing my work. I also express my sincere gratitude & deep sense of respect to the Principal **Dr. K. Appa Rao** for making available all the required assistance & for his support & inspiration to carry out this work in the Institute

A special thanks to my **family and friends** for their unwavering support, patience, and encouragement during the course of this project. Their belief in me has been a great source of motivation.

I owe my acknowledgement to an equally long list of each people who helped me in this work. My sincere thanks to the Librarian of LBRCE who help me in getting many valuable books of actual editors.

I am thankful to the teaching and non-teaching staff of CSE department for their direct as well as indirect help in my work. I am elated to avail my selves to this opportunity to express my deep sense of gratitude to my parents.

Shaik Bashith Ali

21761A05I5

INTERNSHIP CERTIFICATE



CERTIFICATE OF COMPLETION

This is to certify that

SHAIK BASHITH ALI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17




Director - Operations

Certificate No.: TSS5031

Date of Issue : 2025-04-19

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I. OBJECTIVES OF INTERNSHIP

The primary objective of this internship was to apply and enrich the theoretical concepts I had learned throughout my B. Tech coursework in a dynamic, hands-on environment. Under the mentorship and task-based structure provided by **Taras Solutions**, I was exposed to practical applications of machine learning, data processing, and real-time problem-solving through weekly mini-projects.

The internship focused on bridging the gap between academic learning and industry-level expectations. I developed and analysed several machine learning models and computer vision systems. These experiences allowed me to apply and evaluate core ML algorithms using real-world datasets.

A significant goal of the internship was to enhance my programming skills in Python, particularly in libraries such as Scikit-learn, Pandas, NumPy, OpenCV, and Matplotlib. I used these tools extensively in projects like spam detection, heart disease prediction, WhatsApp chat analysis, and gesture recognition.

Another objective was to gain familiarity with end-to-end machine learning workflows—from data collection, preprocessing, model selection, training, tuning, to performance evaluation. I also learned how to structure and document projects effectively, preparing me for future industrial projects or academic research.

Moreover, working on a hostel management system and a virtual calculator introduced me to UI design, Python-based GUIs using Tkinter, and data storage techniques, thereby strengthening my understanding of software development fundamentals.

This internship also aimed to sharpen soft skills such as:

- Time management and weekly task planning
- Clear documentation of code and results
- Independent research and problem-solving
- Professional communication and team collaboration

Specific objectives include:

- Strengthening my technical foundation in AI and ML through mini-projects.

- Gaining real-time experience in data analysis and visualization.
- Understanding ML model deployment and evaluation strategies.
- Improving proficiency in libraries such as OpenCV, Pandas, and Scikit-learn.
- Building confidence in initiating, implementing, and completing projects independently.
- Enhancing communication, documentation, and project reporting skills.

II. INTRODUCTION TO THE ORGANIZATION

Taras Solutions and Systems is an innovative and career-oriented training platform that focuses on delivering high-quality internship experiences in the fields of Artificial Intelligence, Machine Learning, Web Development, Data Science, and other emerging technologies. The organization is dedicated to empowering students and early-stage professionals by offering structured, hands-on programs that simulate real-world project environments. With a mission to bridge the gap between theoretical education and industry expectations, Taras Solutions has built a reputation for creating a strong foundation for learners entering the tech industry.

The core philosophy of Taras Solutions revolves around experiential learning. Interns are provided with weekly real-time tasks and mini-projects that encourage independent problem-solving, critical thinking, and continuous improvement. These tasks are carefully curated to reflect current trends and demands in the tech landscape, giving students exposure to tools and technologies commonly used in the industry. Each intern is expected to explore the problem space, research suitable methods, implement efficient solutions, and document the outcomes professionally. This promotes a holistic learning process that integrates both technical and soft skill development.

What sets Taras Solutions apart is its supportive and mentor-driven environment. Interns receive guidance from experienced professionals who ensure that they understand not just the "how" but also the "why" behind each task. The feedback-oriented culture allows interns to refine their approaches, improve their understanding, and develop confidence in their abilities. Moreover, the platform emphasizes time-bound project delivery, encouraging interns to manage their schedules effectively and work with discipline—an essential trait in the modern tech industry.

In addition to technical exposure, Taras Solutions nurtures personal growth by instilling values such as professionalism, accountability, collaboration, and continuous learning. By the end of the internship, students not only gain practical skills in Python programming, machine learning algorithms, data handling, and application development, but also leave with a portfolio of diverse projects that demonstrate their readiness for industry roles. Taras Solutions is not just an internship provider—it is a launchpad for aspiring developers, data scientists, and AI engineers aiming to build meaningful and impactful careers.

III. DETAILS OF THE CONCEPTS LEARNED DURING THE INTERNSHIP

During my internship at Taras Solutions, I had the opportunity to explore various domains within AI & ML, which significantly contributed to my learning. Each project presented its own set of challenges, allowing me to expand my skillset across different technologies and methodologies. Here's a deeper look into each of the key tasks I worked on during the internship:

In the Voting System & Match-Winning Prediction, I started off by diving into predictive modeling. This task required me to apply classification algorithms like Logistic Regression and Random Forest to predict match outcomes based on historical data. I worked on understanding how to preprocess data, clean it, and choose relevant features that could influence the prediction. The process gave me insights into the importance of feature engineering and model evaluation to enhance prediction accuracy.

The Word Extraction from Images project introduced me to the fascinating world of Optical Character Recognition (OCR) and Natural Language Processing (NLP). I used tools like Tesseract OCR to extract text from various image formats, followed by text preprocessing techniques such as tokenization, stemming, and stop word removal to clean and analyze the extracted content. This task demonstrated how machines can read and interpret human-written or printed text from images, and it laid the groundwork for more advanced applications like document digitization and automated form processing.

In the Hostel Management System, I applied my knowledge of both backend development and machine learning. This task involved developing a web application using Flask to handle hostel room bookings, maintenance requests, and student data management. I learned how to integrate SQL databases for managing user data and queries efficiently. Moreover, I enhanced the system by incorporating machine learning to predict room availability and occupancy trends, making the application smarter and more efficient.

The Spam Detection System was an exciting challenge that taught me about text classification and the application of supervised learning. I used Naive Bayes and SVM classifiers to build a model that could identify spam messages from non-spam ones. This task reinforced the importance of data preprocessing techniques, such as text vectorization using TF-IDF, and how they play a crucial role in improving the performance of machine learning models.

Working on WhatsApp Chat Analysis gave me hands-on experience with sentiment analysis.

By analyzing the conversations from WhatsApp chat logs, I explored how NLP techniques can be used to determine the emotional tone of messages. Using tools like TextBlob and VADER, I gained insights into how sentiment analysis works and how it can be applied in real-world scenarios to analyze customer feedback or social media interactions.

The Heart Attack Prediction task required me to apply classification models such as Logistic Regression, Random Forest, and Support Vector Machines (SVM). I used medical data to predict whether a patient is at risk of having a heart attack based on various health indicators. This task helped me understand the importance of model evaluation and the significance of metrics like accuracy, precision, recall, and F1-score in assessing model performance. Additionally, I worked on data preprocessing, ensuring that the dataset was cleaned and standardized before feeding it into the models.

In the Hand Gesture Recognition project, I ventured into the world of computer vision. I used Convolutional Neural Networks (CNNs) to train models that could recognize various hand gestures in real-time. This task taught me about image processing techniques and how to prepare image data for deep learning models. I also worked on improving model performance by adjusting hyperparameters and optimizing the training process.

The Virtual Calculator with Hand Gestures was another challenging yet rewarding project. Combining computer vision and interactive UI, I built a virtual calculator that recognized hand gestures using OpenCV. This task gave me practical experience in developing real-time, interactive applications, where I applied techniques like gesture recognition and object tracking to allow users to operate the calculator using hand movements. This project also improved my understanding of machine learning deployment in a user-facing context.

Finally, the Object Detection project allowed me to apply my skills in deep learning for real-time object detection. Using algorithms like YOLO (You Only Look Once) and SSD (Single Shot Multibox Detector), I developed models that could detect and classify multiple objects in images and video streams. This project gave me in-depth knowledge of computer vision techniques and how to apply them for real-time applications, which is critical in industries such as security and robotics.

Throughout the internship, I leveraged a variety of libraries and frameworks such as PyTorch, TensorFlow, OpenCV, Scikit-learn, and NLTK. These tools were instrumental in helping me build, train, and deploy models, and they also gave me exposure to the different methodologies used in the AI & ML field. Each project enhanced my understanding of machine learning pipelines and their real-world applications, providing me with invaluable hands-on experience in both AI and ML domains.

IV. PROJECT PROBLEM STATEMENT

Abstract:

Phishing emails are the fake or fraudulent emails that are designed to trick people into giving personal information which may include passwords or credit card details or any other sensitive data. The goal of our project is to create a system that can automatically identify these fake emails and filter them out, and making email communication more safer. The system will analyze the content and patterns in emails to differentiate between the legitimate and the fraudulent emails. This project aims to develop a robust, automated system for identifying and filtering phishing emails, enhancing the security of email communication. Our approach combines machine learning techniques, specifically Random Forest classification, and reinforcement learning via Deep Q-Networks (DQN), to analyze the metadata, textual content, and embedded URLs of emails, discerning legitimate messages from phishing attempts. Through a feedback driven mechanism, the model can learn from incorrect predictions and adapt over time, providing an evolving and proactive defense against phishing threats. This system holds significant potential for deployment in both corporate and personal email environments, contributing to safer email practices across diverse use cases.

Introduction:

Phishing emails pose a significant cybersecurity threat, tricking individuals into revealing sensitive information like passwords, financial details, and personal data. As phishing techniques continue to evolve, traditional rule-based detection systems fail to provide adequate security due to their static nature and reliance on predefined blacklists. This project aims to develop an intelligent, adaptive phishing detection model that integrates Machine Learning and Reinforcement Learning to ensure robust email security. Conventional phishing detection techniques, including rule-based systems and standard machine learning classifiers, struggle to adapt to new and sophisticated phishing attacks. They often require frequent manual updates and retraining, making them inefficient for real-time application. This project addresses these challenges by implementing a hybrid approach that combines Random Forest classification with Deep Q-Networks to enhance detection accuracy and adaptability.

The objective of this project is to develop a phishing email detection model capable of distinguishing between legitimate and fraudulent emails. Reinforcement learning is integrated to dynamically adapt to emerging phishing strategies while improving detection accuracy and minimizing false positives through advanced feature engineering. Additionally, a feedback mechanism is provided to continuously refine model performance based on real-time user interactions. The dataset used in this project comprises over 100,000 email samples from multiple sources, containing both phishing and legitimate emails. Key features extracted include email

metadata such as sender and receiver details, timestamps, and subject lines. Textual content from email bodies is processed using Term Frequency-Inverse Document Frequency vectorization. URL characteristics, including the presence of suspicious links, domain analysis, and URL length, are also examined. Preprocessing steps involve cleaning text by removing special characters, punctuation, and stopwords, applying lemmatization to standardize word forms, and encoding categorical metadata for efficient model training.

The initial classification phase employs a Random Forest model, which is chosen for its robustness and interpretability. The classifier is trained on engineered features to differentiate between phishing and non-phishing emails based on historical patterns. To enhance adaptability, a Deep Q-Network is introduced. The DQN agent interacts with the email classification environment, continuously learning and refining its decision-making policy through a reward based system where positive rewards are assigned for correctly identifying phishing emails, while negative penalties are applied for misclassifications. Additionally, a feedback mechanism adjusts weights and improves detection accuracy over time. By integrating DQN with Random Forest, the system not only classifies phishing emails effectively but also evolves dynamically to counter new attack techniques. The model is evaluated using accuracy, precision, recall, and F1-score to assess performance. The Random Forest classifier achieved an accuracy of 98%, surpassing traditional machine learning models like Support Vector Machines and Naïve Bayes. The DQN-enhanced model further improved detection accuracy to 99%, demonstrating its ability to adapt to new phishing strategies in real-time. The system exhibited low false positive and false negative rates, making it a reliable solution for practical deployment. Unlike conventional machine learning models, which require frequent retraining, this hybrid approach dynamically adapts to new threats.

Despite its advantages, the model does have certain limitations the reliance on user feedback for reinforcement learning can slow down adaptation if feedback is sparse or inaccurate. Additionally, computational complexity may pose challenges in deploying the model in large-scale real-time environments. Future enhancements to the model will focus on real-time integration, embedding the model into enterprise email systems for automated phishing detection, and extending it to analyze user interaction patterns for enhanced threat detection. This project presents a novel hybrid phishing detection system that combines machine learning and reinforcement learning to create a highly accurate, adaptive, and self-improving security solution. By leveraging both static and dynamic learning techniques, the model effectively mitigates evolving phishing threats, contributing to a safer digital communication environment. Future advancements will focus on real-time deployment and its capabilities to provide comprehensive protection against cyber threats.

Proposed Methodology:

The proposed phishing email detection model is a hybrid system that combines supervised and reinforcement learning techniques to enhance classification accuracy and adaptability over time.

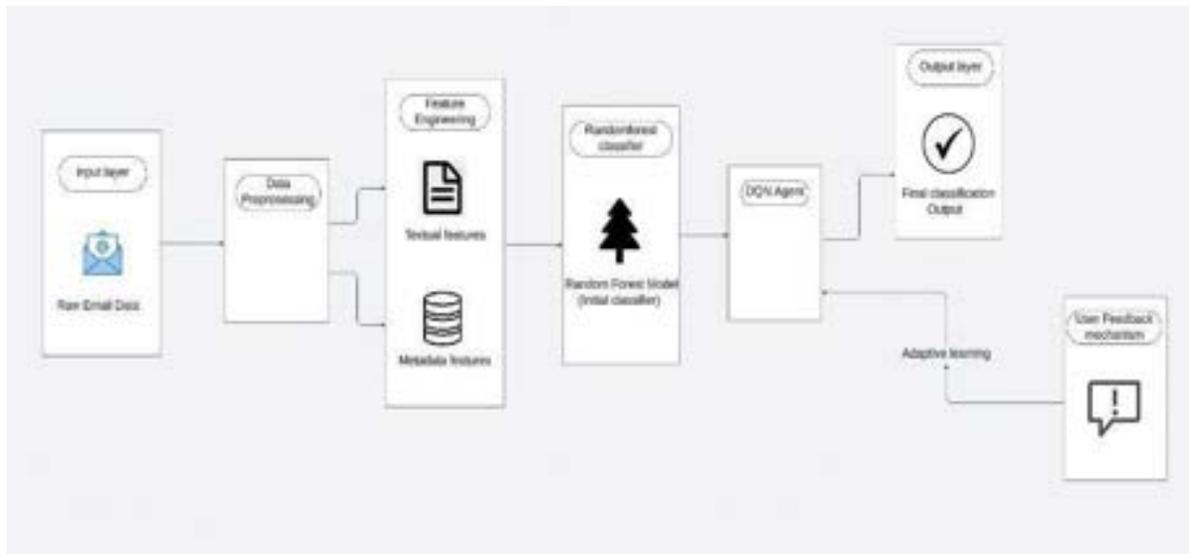


Fig 4.1. Architecture of the hybrid phishing detection model

As illustrated in Fig 4.1, the process begins at the input layer, where raw email data—including both the subject and body content, along with metadata such as sender, receiver, and URLs—is collected. This data undergoes data preprocessing, which involves tasks like noise removal, lowercasing, stop-word elimination, and lemmatization to normalize the text. The cleaned data is then passed to the feature engineering stage, where it is transformed into two key sets of features: textual features (via techniques like TF-IDF vectorization) and metadata features (such as domain patterns, time of sending, and presence of URLs).

These engineered features are then fed into the Random Forest classifier, which acts as the initial supervised model for classifying emails as either phishing or legitimate. The Random Forest model provides a baseline decision, which is then passed to a Deep Q-Network (DQN) agent. The DQN agent serves as the adaptive reinforcement learning component, refining predictions based on historical outcomes and continuous learning. The agent outputs the final classification decision through the output layer. If the system encounters uncertainty or low confidence in classification, it activates a user feedback mechanism, prompting manual verification. The feedback received is used to further train the DQN agent in an adaptive learning loop, allowing the model to evolve and better handle emerging phishing strategies. This integrated architecture ensures the system remains accurate and resilient in the face of evolving phishing tactics.

V. PROJECT WORK IMPLEMENTATION

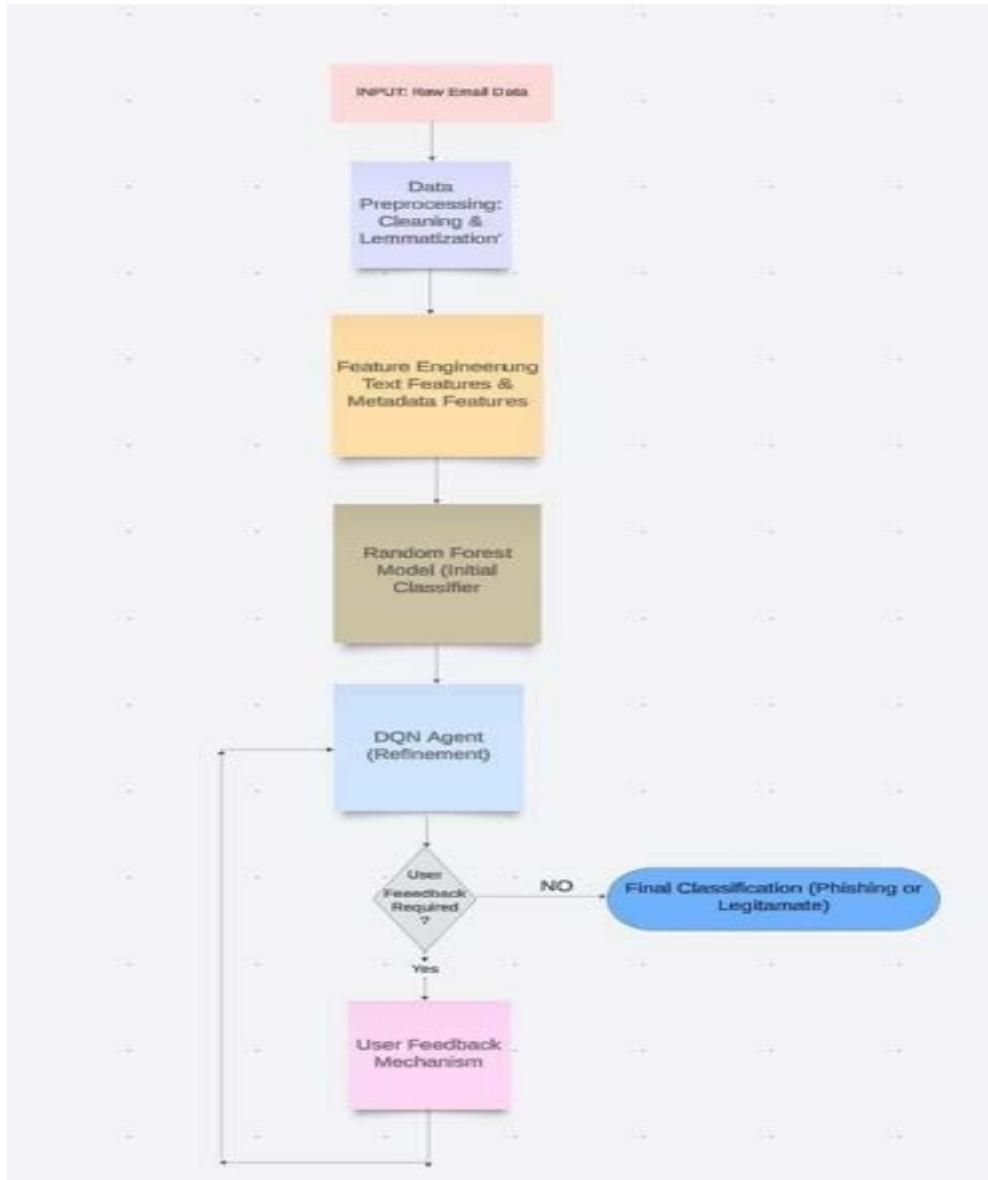


Fig 5.1 Flowchart of the proposed phishing email detection model

✓ Data Preprocessing

To prepare the email text, we clean the subject and body, removing noise elements such as punctuation, stop-words, and case variations. The text is converted to lowercase, and lemmatization is applied to reduce words to their root forms, ensuring focus on essential meanings. Metadata features (e.g., sender, receiver, presence of URLs) are also extracted for further analysis.

✓ Text Vectorization with TF-IDF

It converts text into numerical vectors through the application of TF-IDF (Term Frequency-Inverse Document Frequency) after preprocessing. This transformation tends to weigh more important terms which best denote phishing activity; words uncommon, unusual, or suspect in nature will denote malicious behavior most likely. Therefore, these critical terms highlight a way that can separate the phisher's content from regular ones.

✓ **Metadata Feature Extraction**

Metadata features, including the presence of URLs, sender details, and email body and subject, are crucial for phishing detection as phishing emails often exhibit abnormal patterns. For instance, emails from unrecognized domains or emails with unusual sending times can be indicators of phishing.

✓ **Data Analysis (EDA):**

EDA highlights patterns and insights between phishing and legitimate emails. Key analyses include label distribution to assess class balance, sender domain frequency, subject line language, and the presence of URLs. Visualizations such as word clouds, distribution plots, and correlation heatmaps offer insights into feature selection, guiding the subsequent steps in model training.

✓ **Training (Random Forest):**

Using the insights from EDA, we engineer key features, including textual details (e.g., word frequency, sentiment analysis) and URL characteristics (e.g., length, presence of suspicious keywords). We then apply a Random Forest classifier, chosen for its robustness and interpretability, as the initial model.

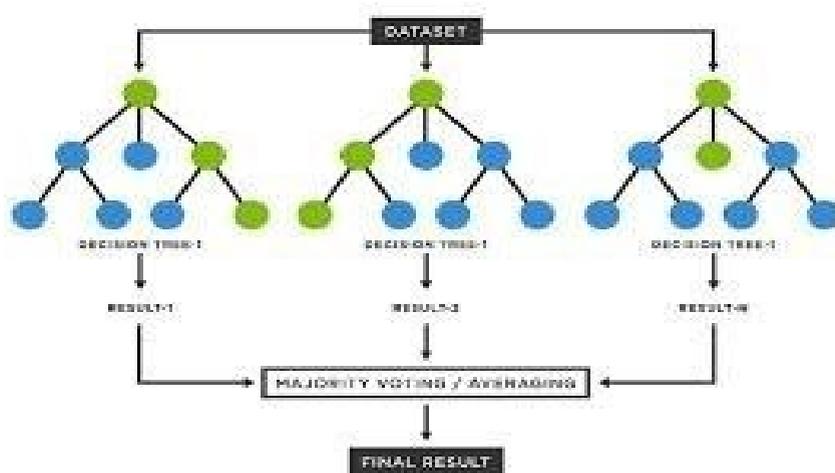


Fig 5.2 work flow of Random forest

✓ **Random Forest as Initial Policy:**

The trained Random Forest model serves as the initial policy for the Deep Q-Network (DQN) agent. It provides a baseline classification of emails as phishing or legitimate, leveraging its knowledge to enhance the DQN agent's learning efficiency.

✓ **DQN Agent for Continuous Learning:**

To improve adaptability, we integrate a Deep Q-Network (DQN), an RL approach that enables the model to refine its phishing classification policy iteratively. In this setup, the DQN agent interacts with the environment (an email classification task), making decisions and receiving feedback based on the correctness of each classification. Positive rewards reinforce correct phishing classifications, while penalties discourage false positives, allowing the model to adapt to new patterns in phishing attacks.

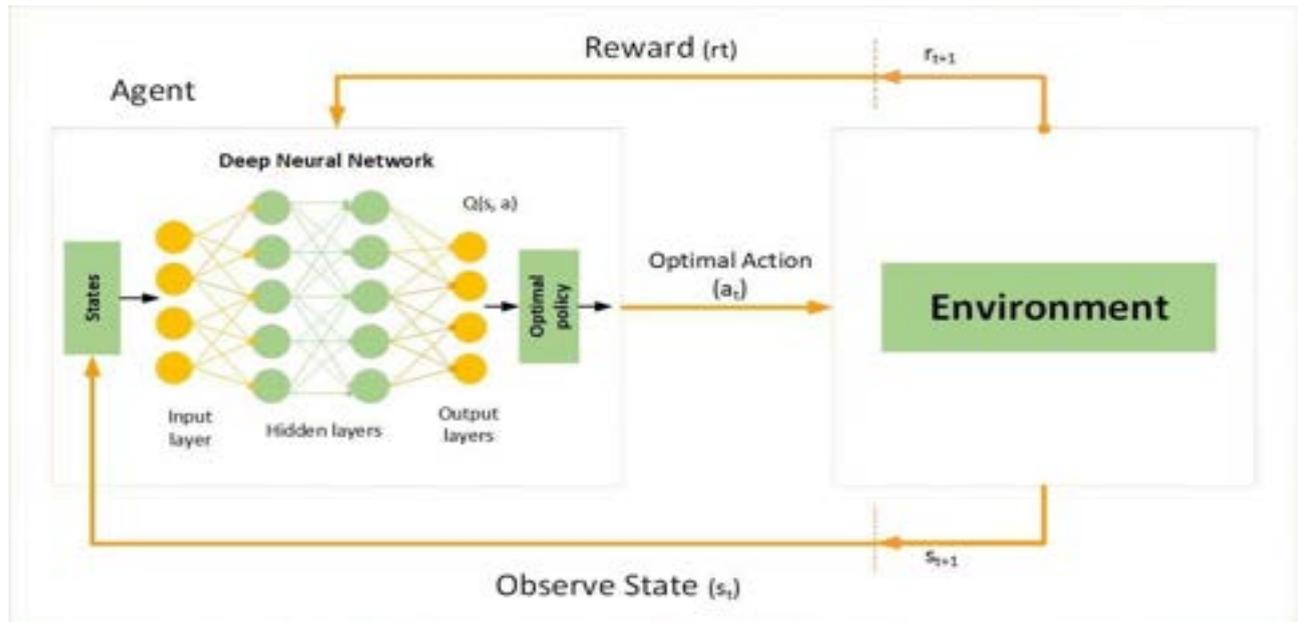


Fig 5.3 Deep Q Network

✓ Integration of DQN and Random Forest:

To build more efficient and accurate Phishing email detection we combined the strength of reinforcement learning and supervised learning. The DQN agent uses the Random Forest model to calculate the initial observation for the environment. This observation represents the phishing probability, which helps the agent make its first classification decision. The agent then refines its decision making process by continuously interacting with the environment, receiving rewards or penalties based on the accuracy of its classifications. As it learns, the DQN model gradually improves its performance, potentially outperforming the Random Forest model by adapting to new phishing techniques.

VI. RESULTS

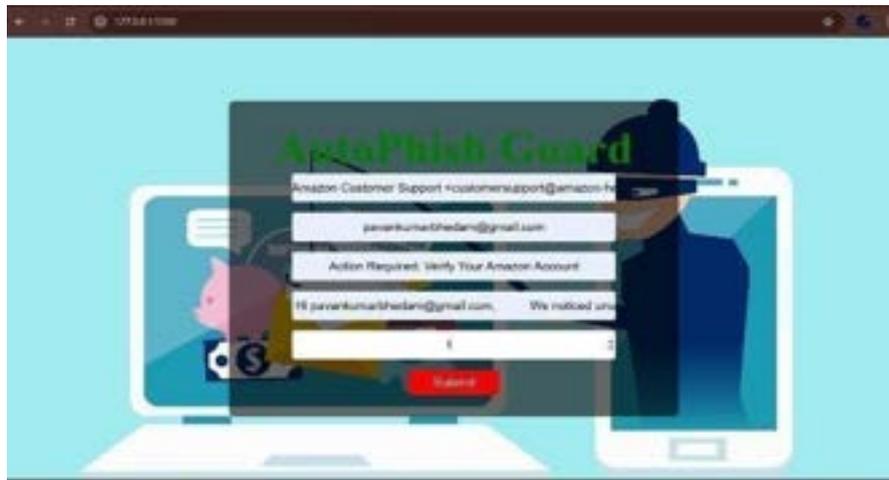


Fig 6.1. The Auto Phish Guard interface enables users to input email details and receive phishing or legitimate predictions.



Fig 6.2. A "Safe Email" message reassures users when an email is determined to be legitimate.



Fig 6.3. A phishing alert notifies users of potential threats for emails classified as phishing.

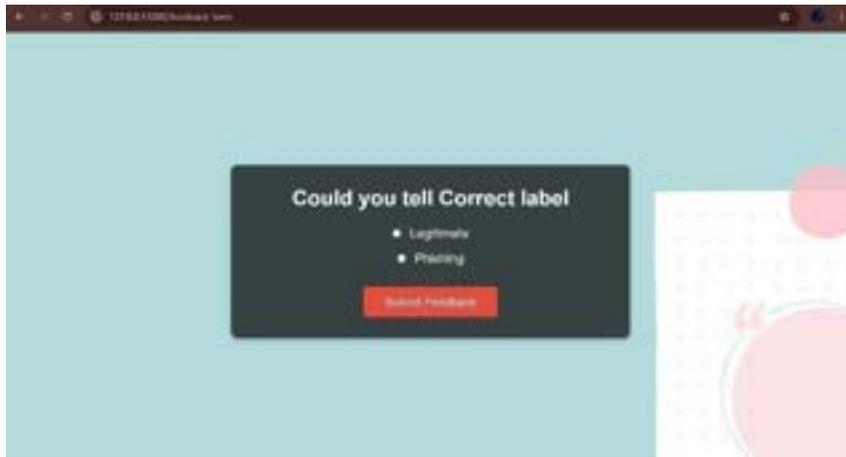


Fig 6.4. The feedback mechanism allows users to provide input for incorrect predictions, aiding in model refinement.

	Precision	Recall	F1-score	Support
Non-Phishing (0)	0.98	0.99	0.99	10046
Phishing (1)			0.99	11610
Overall Accuracy	0.98	0.98	0.99	21656
Macro Average	0.99	0.99	0.99	21656
Weighted Average	0.99	0.99	0.99	21656

Table 6.1 PERFORMANCE ANALYSIS TABLE FOR RANDOM FOREST

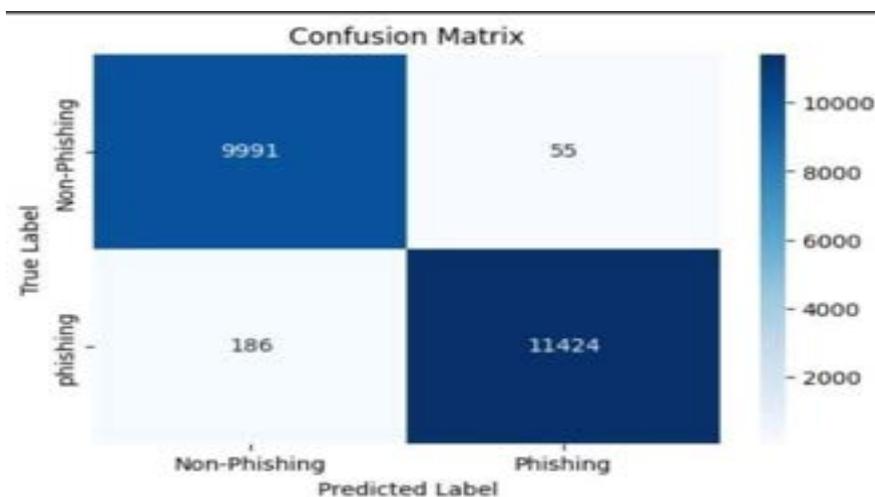


Fig 7.5. Confusion Matrix illustrating the classification performance of the phishing detection model

VII. CONCLUSION

This study harnesses the power of Supervised Learning (Random Forest) and Reinforcement Learning (Deep Q-Network - DQN) to address the complex challenges of phishing email detection. By leveraging a diverse dataset composed of phishing and non-phishing emails from multiple sources, the model is trained to recognize distinct patterns in fraudulent email content. The use of TF-IDF vectorization enables the extraction of important textual features, allowing the model to differentiate between genuine and malicious emails effectively. To enhance the model's generalization and adaptability, a user feedback mechanism is incorporated. This allows real-time updates to the model whenever a misclassification occurs, reinforcing the learning process and improving accuracy over time. Additionally, the implementation of ROC curve analysis ensures a thorough evaluation of the model's performance, providing insights into its classification efficiency. The results of this study highlight the effectiveness of the proposed hybrid approach in accurately identifying phishing emails. Through extensive testing and validation, the model demonstrates high accuracy in distinguishing fraudulent emails from legitimate ones. The integration of machine learning and reinforcement learning enables the system to adapt dynamically to new phishing techniques, making it a valuable tool for cybersecurity applications. once trained and validated, the model can be deployed as a real-time email filtering system, assisting organizations and individuals in protecting themselves against phishing attacks. Future enhancements may include the incorporation of deep learning models such as LSTMs or Transformers to further improve classification accuracy and real-time adaptability.

VIII. REFERENCES

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- [12]. <https://arxiv.org/abs/1905.12616>



Certificate Of Achievement

Awarded to
Shaik Mahabunny

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, appearing to read "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer

Intern - Offer of Employment

Shaik Saida Basha
Software Engineer - Intern

Dear Saida Basha,

Following our discussions, we are pleased to offer you the position of **“Software Engineer-Intern”** with Divami Design Labs Pvt. Ltd., subject to your acceptance of the terms and conditions contained herein.

Compensation

You will be joining as an intern starting on **26th December 2024**, for a duration of 6 to 9 months or until the completion of your graduation. The stipend would be Rs.20,000/- of this, 10% will be deducted as TDS (Tax Deducted at Source) and remitted to the appropriate tax authority on your behalf every month.

Post that, subject to your performance, a decision on Annual CTC will be made in the range of 4.5 Lakhs - 6 Lakhs per annum.

Prerequisite

You have to submit all the scanned copies of your originals within a week of your joining. Your appointment will be subject to verification of your certificates against the information provided by you in your resume and during the interview.

Place of work

Please report to our office at 3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032 on/before 26th December, 2024 at 10.00 AM. Your initial place of work would be at the above mentioned office and we may also depute you to any work, or assign your services to any of our existing or future affiliates, clients or associates.

Working Week

The normal working days per week and working hours per day of Divami are from Monday to Friday and from 9.30 A.M to 6.30 P.M. The normal working days and normal hours of work can be changed by the Company to suit the exigencies of work programmes and emergencies. You can adjust your working hours on a normal working day for effective achievement of business

divami

Divami Design Labs Pvt Ltd

3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032

info@divami.com, www.divami.com CIN - U72200TG2008PTC062302

goals, along with your personal requirements. Every intern should work for a minimum of 40 hours at work (excluding lunch break) each week.

Holidays and Leaves

Holidays would be as per the list declared by Divami from time to time.

As an intern of Divami you will be entitled to 12 days of multipurpose leave per annum.

Notice Period

Either party may terminate the employment agreement, for any reason or on convenience, by giving 15 days or notice pay in lieu of to the other party without assigning any reason whatsoever.

Divami reserves the right to terminate your Internship:

- At any time for any reason, with or without cause, by giving 15 days notice or notice pay in lieu thereof
- With immediate effect, if you are negligent or irregular or inefficient in the discharge of your duties; if you commit a breach of any of the obligations to be observed and performed by you in relation to the rules and regulations of the Company notified from time to time;
- With immediate effect, if you are guilty of misconduct as judged by the Company.

General Regulations

- You are expected to devote your entire working time, energy, and attention exclusively to the work of Divami, and should not take up any other direct or indirect business or work, while in employment, unless permitted in writing by the Company.
- You shall be responsible for the safekeeping of all Company property that is being used by you or left in your custody and shall upon the request of the Company, You shall be required to ensure that you shall not be sharing or using Divami's proprietary information in any media or form with non-employees of Divami or its customers; during your employment or post your employment, unless you have written permission from Divami.
- All intellectual property rights in India and abroad, for the full term of such rights, in any "work" or in any other matter conceived/created/made fully or in part by you during your period of employment with Divami, shall stand automatically an exclusive property of the Company and shall be disclosed in writing promptly to the Company. You shall also at the cost of the Company execute and register, all documents required, statutorily or otherwise by the Company, to further confirm the above ownership rights in favor of the Company.

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info@divami.com, www.divami.com CIN - U72200TG2008PTC062302

- You shall execute the Security and Confidentiality Regulations of the Company with respect to protection of confidential information of the Company.
- You understand that if you are deputed on any work/assignment/project at locations specified by customers, you will gain extensive knowledge and information of customers' business and their specific requirements and skills, which would be of great value to the Company, and which knowledge, information and skills the Company would want to utilize on completion of such deputation. Therefore, you agree that after completion of such deputation for a duration of more than 45 days, you continue in employment with the Company for a period of at least 6 months from the end of such deputation.
- During your employment with Company and for a period of one year immediately following termination of your internship, for any reason whatsoever, you shall not:
 - Directly or indirectly contact, seek or accept employment with any third party (including past, present or prospective customers) that you have interacted with, or have provided any services to whether directly or indirectly during the course of your employment with the company. You acknowledge that any violation of this obligation may result in legal proceedings for actual damages ensued to the Company; or
 - Directly or indirectly, contact, recruit, solicit or hire any of the employees of the Company, or induce or attempt to induce any employee of the Company to terminate his/her employment with, or otherwise cease or damage his/her relationship with the Company.

If you agree to these terms and conditions, kindly confirm your acceptance of the Intern offer by signing and returning the duplicate copy of this letter for my attention within a week from the date of receipt of this letter or before the joining date, whichever is earlier.

We at Divami are impressed by your skills and hope that you shall help us build an even more successful Company, while developing an excellent career for yourself.

If you have any questions, please do not hesitate to call us. We welcome you to the Divami family and wish you a rewarding career over the years to come.

Yours sincerely,



V R R G Raju Gottumukkala
Head of Delivery
Divami Design Labs Pvt Ltd

divami

Divami Design Labs Pvt Ltd

3rd floor, Indique Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032

info@divami.com, www.divami.com CIN - U72200TG2008PTC062302

I have read and understood the terms and conditions of the above Appointment Offer and I unconditionally accept the same without any reservations whatsoever.

Signed by: Shaik Saida Basha

Name: ప శాయికా బాషా

Date: 24/12/2024

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Divami Design Labs Pvt Ltd

3rd floor, Indique Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032

info@divami.com, www.divami.com CIN - U72200TG2008PTC062302



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Syed Abdul Aziz Shahid

Enrolled in the **Computer Science and Engineering - 21761A05I8**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09880

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Thumma Madan

Enrolled in the **Computer Science and Engineering - 21761A05I9**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Data Science

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07351

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

LALITH KUMAR.T

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5090

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Tiruveedula Charan Teja

Enrolled in the **Computer Science and Engineering - 21761A05J1**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05474

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Tiruveedula Charan Teja

Enrolled in the **Computer Science and Engineering - 21761A05J1**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05474

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

UMMADI SRUTHI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5032

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Vallabhuni Rama Rao

Enrolled in the **Computer Science and Engineering - 21761A05J3**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Artificial Intelligence

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07486

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

VELISELLA SRAVANTHI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5025

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



TARAS_INTERNSHIP_INVITATION_REG...

1 message

Venkatesh R Taras Systems <venkatesh.rajakutti@tarassolutions.com>

Thu, Dec 26, 2024 at 5:36 PM

To: madhavapandian.sankarapandian@tarassolutions.com <madhavapandian.sankarapandian@tarassolutions.com>

Cc: hodcse@Lbrce.ac.in <hodcse@lbrce.ac.in>

Hi, Warm greeting from Taras systems and solutions.!!!

It's great pleasure for us to inform you that Online AI Internship Programme starts from 27.12.2024. Programme will be conducted in Online mode on every **Wednesday** and **Thursday** for 2.30-hrs a day by 6.00 PM to 8.30 PM. Find the training details and link attached below.

First 3-month of the Internship covers C, PYTHON, AI types, ML and DL and related assignments, 4th-month of the training covers Industry project work, 5th and 6th – month covers Individual / group Project work. Kindly join in the What's app group to keep updated.

Related Link :

GMEET Link (Active on Every Wednesday and Thursday): <https://meet.google.com/uob-mxyr-vqt>

What'sapp Group: <https://chat.whatsapp.com/FnnoXdyBJll6S0QmEG4Lom>

[https://chat.whatsapp.com/
FnnoXdyBJll6S0QmEG4Lom](https://chat.whatsapp.com/FnnoXdyBJll6S0QmEG4Lom)

Note : 1. Selected and accepted Students should attend the programme compulsory.

2. Materials will be shared through the mail.

3. Should Contain 80% and above Attendance for successful completion.

4. Any leave on planned days will be re-scheduled on consecutive day.

5. Certificate will not issued for irregular attendance, Not attending the series of review and appearing for final.

Thanks,
Venkatesh Rajakutti |Director,
TARAS Systems And Solutions,
Bangalore,
India.
Web: www.tarassolutions.com

CERTIFICATE OF COMPLETION

This is to certify that

V. ANITHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5053

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

Intern - Offer of Employment

Venuturumilli Sri Pragna
Software Engineer - Intern

Dear Sri Pragna,

Following our discussions, we are pleased to offer you the position of **“Software Engineer-Intern”** with Divami Design Labs Pvt. Ltd., subject to your acceptance of the terms and conditions contained herein.

Compensation

You will be joining as an intern starting on **26th December 2024**, for a duration of 6 to 9 months or until the completion of your graduation. The stipend would be Rs.20,000/- of this, 10% will be deducted as TDS (Tax Deducted at Source) and remitted to the appropriate tax authority on your behalf every month.

Post that, subject to your performance, a decision on Annual CTC will be made in the range of 4.5 Lakhs - 6 Lakhs per annum.

Prerequisite

You have to submit all the scanned copies of your originals within a week of your joining. Your appointment will be subject to verification of your certificates against the information provided by you in your resume and during the interview.

Place of work

Please report to our office at 3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032 on/before 26th December, 2024 at 10.00 AM. Your initial place of work would be at the above mentioned office and we may also depute you to any work, or assign your services to any of our existing or future affiliates, clients or associates.

Working Week

The normal working days per week and working hours per day of Divami are from Monday to Friday and from 9.30 A.M to 6.30 P.M. The normal working days and normal hours of work can be changed by the Company to suit the exigencies of work programmes and emergencies. You can adjust your working hours on a normal working day for effective achievement of business

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info@divami.com, www.divami.com CIN - U72200TG2008PTC062302

goals, along with your personal requirements. Every intern should work for a minimum of 40 hours at work (excluding lunch break) each week.

Holidays and Leaves

Holidays would be as per the list declared by Divami from time to time.

As an intern of Divami you will be entitled to 12 days of multipurpose leave per annum.

Notice Period

Either party may terminate the employment agreement, for any reason or on convenience, by giving 15 days or notice pay in lieu of to the other party without assigning any reason whatsoever.

Divami reserves the right to terminate your Internship:

- At any time for any reason, with or without cause, by giving 15 days notice or notice pay in lieu thereof
- With immediate effect, if you are negligent or irregular or inefficient in the discharge of your duties; if you commit a breach of any of the obligations to be observed and performed by you in relation to the rules and regulations of the Company notified from time to time;
- With immediate effect, if you are guilty of misconduct as judged by the Company.

General Regulations

- You are expected to devote your entire working time, energy, and attention exclusively to the work of Divami, and should not take up any other direct or indirect business or work, while in employment, unless permitted in writing by the Company.
- You shall be responsible for the safekeeping of all Company property that is being used by you or left in your custody and shall upon the request of the Company, You shall be required to ensure that you shall not be sharing or using Divami's proprietary information in any media or form with non-employees of Divami or its customers; during your employment or post your employment, unless you have written permission from Divami.
- All intellectual property rights in India and abroad, for the full term of such rights, in any "work" or in any other matter conceived/created/made fully or in part by you during your period of employment with Divami, shall stand automatically an exclusive property of the Company and shall be disclosed in writing promptly to the Company. You shall also at the cost of the Company execute and register, all documents required, statutorily or otherwise by the Company, to further confirm the above ownership rights in favor of the Company.

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info@divami.com, www.divami.com CIN - U72200TG2008PTC062302

- You shall execute the Security and Confidentiality Regulations of the Company with respect to protection of confidential information of the Company.
- You understand that if you are deputed on any work/assignment/project at locations specified by customers, you will gain extensive knowledge and information of customers' business and their specific requirements and skills, which would be of great value to the Company, and which knowledge, information and skills the Company would want to utilize on completion of such deputation. Therefore, you agree that after completion of such deputation for a duration of more than 45 days, you continue in employment with the Company for a period of at least 6 months from the end of such deputation.
- During your employment with Company and for a period of one year immediately following termination of your internship, for any reason whatsoever, you shall not:
 - o Directly or indirectly contact, seek or accept employment with any third party (including past, present or prospective customers) that you have interacted with, or have provided any services to whether directly or indirectly during the course of your employment with the company. You acknowledge that any violation of this obligation may result in legal proceedings for actual damages ensued to the Company; or
 - o Directly or indirectly, contact, recruit, solicit or hire any of the employees of the Company, or induce or attempt to induce any employee of the Company to terminate his/her employment with, or otherwise cease or damage his/her relationship with the Company.

If you agree to these terms and conditions, kindly confirm your acceptance of the Intern offer by signing and returning the duplicate copy of this letter for my attention within a week from the date of receipt of this letter or before the joining date, whichever is earlier.

We at Divami are impressed by your skills and hope that you shall help us build an even more successful Company, while developing an excellent career for yourself.

If you have any questions, please do not hesitate to call us. We welcome you to the Divami family and wish you a rewarding career over the years to come.

Yours sincerely,



V R R G Raju Gottumukkala
Head of Delivery
Divami Design Labs Pvt Ltd

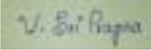
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info@divami.com, www.divami.com CIN - U72200TG2008PTC062302

I have read and understood the terms and conditions of the above Appointment Offer and I unconditionally accept the same without any reservations whatsoever.

Signed by: 

Name: sÉàì ì ã ã ~~ãããããã~~ ãããããã

Date: NOLLOO

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Divami Design Labs Pvt Ltd

3rd floor, Indiqube Pearl, Beside Rolling Hills, MindSpace Road, P Janardhana Nagar, Gachibowli, Hyderabad - 500032

info@divami.com, www.divami.com CIN - U72200TG2008PTC062302

CERTIFICATE OF COMPLETION

This is to certify that

YANDURU NEHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5021

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Thirumala Sai Yashwanth

Enrolled in the **Computer Science and Engineering - 21765A0518**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07293

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

BANDI YAMUNA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5033

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Yamuna".

Director - Operations



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

GALLA DHANUSHYA

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Kandula Tejasai

Enrolled in the **Computer Science and Engineering - 22765A0503**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09663

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Kandula Tejasai

Enrolled in the **Computer Science and Engineering - 22765A0503**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09663

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Keli Lasya Sri

Enrolled in the **Computer Science and Engineering - 22765A0504**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09668

Issued On
12-Apr-2025



Authorized Signature



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Seelam Paul Jashuva

Enrolled in the **Computer Science and Engineering - 22765A0505**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-09561

Issued On
12-Apr-2025



Authorized Signature



Certificate Of Achievement

Awarded to
Naga Kiran Mouli Thota

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 29, 2025



A handwritten signature in black ink, appearing to read "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer

CERTIFICATE OF COMPLETION

This is to certify that

DEVAKI. B

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5114

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

CH ANUSHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5049

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Anusua".

Director - Operations



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Mallipudi Pujitha Naga Mani

Enrolled in the **Computer Science and Engineering - 22765A0509**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07772

Issued On
12-Apr-2025



Authorized Signature



KUANTUM KRUX PVT.LIMITED

CERTIFICATE OF ACHIEVEMENT

This Certificate is proudly awarded to:

Mummina Harika

"Has successfully completed the Web Development Internship at "KUANTUM KRUX" Private Limited from **January 06, 2025 to APRIL 09, 2025**. She had demonstrated exceptional dedication and skill in completing their assigned project."

SI-PTIP-250001

For : Kuantumkrux Private Limited

Chavan
Director

DIRECTOR



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Pamarthi Venu Anjaneyulu

Enrolled in the **Computer Science and Engineering - 22765A0511**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07444

Issued On
12-Apr-2025



Authorized Signature

CERTIFICATE OF COMPLETION

This is to certify that

P. SAI SREE HARSHA

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5105

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations

CERTIFICATE OF COMPLETION

This is to certify that

BAKKATHATLA NANDINI

Has successfully completed the Industrial Training and Project

Internship Program on

Artificial Intelligence and Machine Learning

from 2024-12-27 to 2025-04-17



Certificate No.:TSS5034

Date of Issue :2025-04-19

A handwritten signature in blue ink, appearing to read "G. Rammoan".

Director - Operations



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

BHEEMASETTI TEJA SRI

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Madu Lakshmi Anjaneya Gayathri Praneeth

Enrolled in the **Computer Science and Engineering - 22765A0516**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Web Development

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-05192

Issued On
12-Apr-2025



Authorized Signature



Dr Pallam Setti
Centre for Research and Technology

Certificate of Merit

This is to Certify,

MUVVALA GOWTHAMI

*has successfully completed her "Semester internship in" **Data Science with AI&ML**" at Dr. Pallam Setti Centre For Research and Technology from 24th Dec 2024 to 10th April 2025. We appreciate her efforts and contributions during the internship and wish her success in their future endeavors.*



Dr. Pallam Setti
DR PALLAMSETTI
CEO & FOUNDER



CERTIFICATE OF INTERNSHIP

This is to Certify that Mr./Ms

Simhadri Poornima

Enrolled in the **Computer Science and Engineering - 22765A0518**

From College **Lakireddy Bali Reddy College of Engineering**

of university **JNTUK, Kakinada**

has Successfully Completed long-term Internship programme titled

Machine Learning

Under SkillDzire from **16-Dec-2024** to **12-Apr-2025**

Organized By **SkillDzire** in collaboration with **Andhra Pradesh State Council of Higher Education.**

Certificate ID
SDLT-25-07881

Issued On
12-Apr-2025



Authorized Signature