

RAJU BANDAM

Bachelor of Technology
MALLA REDDY UNIVERSITY,KOMPALLY ,HYDERABAD

+919121455643
rajubandam694@gmail.com
rajureddi
RAJU BANDAM rajureddie.site

PROFESSIONAL SUMMARY

Motivated Computer Science and Engineering student specializing in AI/ML with strong hands-on experience in building real-time intelligent systems, full-stack applications, and automation tools. Skilled in developing end-to-end solutions Experienced in Python, Java, React, Flask, and deep learning workflows, with a strong command of data structures, algorithms, and cloud deployment.

EDUCATION

· Bachelor of Technology in Computer Science and Engineering (AIML)	2022-26
MALLA REDDY UNIVERSITY	CGPA: 8.6
· INTERMEDIATE - MPC	2020-22
SR JUNIOR COLLEGE	90.1%

RELEVANT COURSEWORK

•Data Structures	•Python Programming	(React,Nodejs/Flask)
•Object-Oriented Programming	•Java Programming	•Data Analytics with
•Database Management	•Full-Stack Development	NumPy,Pandas
•AI ML		

PROJECTS

BACKLOG WALLAH! <i>Python, Android App</i>	January 2023
–Developed an android application built with kivy framework for helping in clearing backlogs in Engineering semester. –Used python native features for streaming classes ,downloading syllabus.	
Voice2Sign – Indian Sign Language Translator <i>Python, Tkinter, SpeechRecognition, RapidFuzz</i>	October 2024
–Developed a real-time application that converts live voice into Indian Sign Language animations using a hybrid GIF + letter-fallback system. –Implemented speech endpoint detection, waveform visualization, fuzzy matching, and auto GIF scanning for seamless ISL translation. –Built a modular sign pipeline allowing users to add custom ISL GIFs or download new signs from talkinghands.co.in and extend recognition using mapping.json .	
AI-Based Smart Traffic Management System <i>Python, Computer Vision, Deep Learning, Flask, IoT</i>	NOVEMBER 2025
–Designed an advanced traffic management platform integrating deep learning models for vehicle detection, traffic sign classification, and congestion analysis. –Implemented dynamic signal control that adapts automatically to traffic density, emergency vehicles, and road priorities. –Integrated modules from an open-source SIH traffic system and extended them with new features: accident detection, red-light violation monitoring, vehicle-count analytics, and real-time dashboard visualization. –Developed a backend using Flask and Python for live video stream processing and deployed the system on edge-compatible hardware.	
Blockchain Certify <i>Solidity, JavaScript, Web3.js, Ethereum Testnet</i>	NOVEMBER 2025
–Built a decentralized certificate issuance and verification system using Solidity smart contracts deployed on an Ethereum testnet. –Created a three-role architecture: colleges issue certificates, students manage them, and recruiters verify authenticity instantly using Web3.js. –Enabled tamper-proof storage, hashed credential records, and instant verification with no third-party dependency.	
BERT-Based Named Entity Recognition System <i>Python, Transformers, React, Flask</i>	2023
–Developed a full-stack NER system using a fine-tuned BERT model with support for both text-based and image-based entity extraction via OCR. –Designed a React frontend with entity filters, image upload options, and color-coded entity visualization. –Built a Flask backend API, deployed the system on AWS EC2 (t3.micro), and optimized model inference for low-latency responses.	

TECHNICAL SKILLS and INTERESTS

Languages: Python, Javascript,Java HTML+CSS
Libraries :Python Libraries,KivyMD,Kivy ReactJs,WebJs,AngularJS
Web Dev Tools: Nodejs, VScode, Git, Github
Areas of Interest: Web Design and Development, Blockchain,AI/ML.
Soft Skills: Problem Solving, Self-learning, Creativity