

RAJU BANDAM

B.Tech — Computer Science and Engineering (AIML)
Malla Reddy University, Hyderabad

+91 9121455643
rajubandam694@gmail.com
[rajureddi](#) [rajureddie](#) [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, ML workflows, with a strong command of data structures, algorithms, and cloud deployment.

EDUCATION

- B.Tech in Computer Science and Engineering (AIML)	2022–2026
Malla Reddy University	CGPA: 8.6
- Intermediate – MPC	2020–2022
SR Junior College	90.1%
- SSC	2020
ZPSS T/EM CHENNUR	CGPA: 10

RELEVANT COURSEWORK

DSA, Algorithms, DBMS, AI/ML, Deep Learning, NLP, CV, Full-Stack Development, Data Analytics

PROJECTS

- Voice2Sign – Real-Time IndianSignLanguage Translator	2025
– Developed a real-time voice-to-ISL system using Python, Tkinter, SpeechRecognition, RapidFuzz, and OpenCV.	
– Achieved 92% speech recognition accuracy with endpoint detection and waveform-based segmentation.	
– Implemented hybrid GIF + letter fallback rendering with auto GIF scanning and custom sign support.	
- AI-Based Smart Traffic Management System	2024
– Built deep-learning traffic analytics using YOLO-based vehicle detection, sign classification, and congestion heatmaps.	
– Reduced signal wait time using dynamic green-time adjustments driven by density predictions.	
– Integrated Flask backend for processing 25–30 FPS feeds with congestion evaluation and violation detection.	
– Enhanced emergency lane prioritization achieving faster clearance .	
- TurantPay-Offline UPI App (Kotlin,NPCI *99#)	2024
– Developed a secure Android-based GUI over official NPCI *99# USSD UPI framework to simplify internet digital paymanets.	
– Implemented QR-to-USSD,Mobile No.,Transfer to bank features payments in the app.	
– Earned technical appreciation from NPCI's UPI for enhancing financial inclusion by providing a secure, internet-free payment solution for low-connectivity regions.	
- Built BERT-based NER using Transformers, Scikit-learn, HuggingFace, and OCR, deployed on AWS EC2.	
– Designed React frontend for dynamic entity filtering and batch document processing.	
- Backlog Wallah – Learning Support App	2023
– Developed an Android education-support app using Python + KivyMD enabling access to syllabus, materials, and recorded classes.	

CERTIFICATIONS

- NPTEL Certification — Java Programming
- Google Crash Course on Python (2024)
- AWS Academy Cloud Foundations (In Progress)

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript
FrameWorks: React, Flask, Node.js, FastAPI, KivyMD
ML/AI: TensorFlow, PyTorch, Scikit-learn, OpenCV,

HuggingFace, NLP, CV, Transformers
Tools: Git, Firebase, MongoDB, MySQL, AWS
Interests: ML Systems, Web Apps, Deployment