D VARSHITH REDDY

+91 9059845457 • varshithreddy987@gmail.com • linkedin.com/in/varshith-reddy-98b701310 • github.com/varshithdepa45

AIML Student — Full Stack & AI Engineer

TECHNICAL SKILLS

Programming Languages	Python, Java, JavaScript, C, HTML, CSS
Web Development	React.js, Next.js, Tailwind CSS, Node.js, Express.js, FastAPI
Databases	MongoDB, PostgreSQL, Firebase Firestore
AI/ML & Tools	TensorFlow, OpenCV, Machine Learning, AI Integration, Fraud Detection
Platforms & Services	Git, GitHub, Docker, AWS, Mapbox API, Leaflet.js, OpenStreetMap

EDUCATION

Maturi Venkata Subba Rao Engineering College (MVSR) 2028

B.E. in CSE-Artificial Intelligence & Machine Learning | Hyderabad, India CGPA: 7.69/10

Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Machine Learning, Artificial Intelligence.

PROJECTS

TraceNet AI — Geo-Intelligent Lost & Found Recovery Platform

- Built a geo-intelligent lost & found platform with interactive maps, radius-based tracking, and real-time location visualization using **Leaflet.js** and **OpenStreetMap**.
- Developed AI-style smart matching and image similarity analysis to detect potential lost-found item matches with confidence scoring and fraud detection systems.
- Implemented **TrustScore** verification, suspicious activity detection, duplicate upload filtering, and secure recovery coordination workflows.
- Designed analytics dashboards with hotspot visualization, recovery tracking, and secure recovery coordination using **Firebase** and modern web technologies.

DispatchMind AI — Smart Logistics Dispatch System

- Developed an ML-powered smart logistics dispatch platform that monitors delivery risks and automatically reassigns orders to available drivers in real time.
- Implemented **WebSocket-based** real-time tracking, intelligent risk scoring, event monitoring, and live delivery analytics.
- Built scalable full-stack architecture using **React.js**, **Node.js**, **FastAPI**, and **PostgreSQL** with integrated REST APIs.
- Integrated AI-driven dispatch optimization workflows using **TensorFlow**, real-time maps, and cloud deployment infrastructure.

SolarIQ AI — AI-Powered Solar Optimization Platform

- Built an AI-powered solar energy platform that analyzes solar requirements using image processing and machine learning models.
- Developed smart panel recommendation systems with energy prediction, per-watt pricing optimization, and rental/purchase workflows.
- Integrated computer vision pipelines using **OpenCV** and **TensorFlow** with scalable frontend-backend architecture.

LEADERSHIP & ACTIVITIES

- Participated in 5+ hackathons including IIITH Hackathon and multiple national-level hackathons focused on AI-powered systems, rapid prototyping, and scalable full-stack application development.
- Led teams in multiple hackathon environments as Team Lead, collaborating on real-world AI-integrated software solutions.
- Core Member of college AIML Club, actively contributing to AI, ML, and software engineering activities.
- Machine Learning Student Representative, supporting AI/ML initiatives, student engagement, and technical activities within the department.
- Contributed to an R&D project focused on Battery Management Systems (BMS), involving intelligent monitoring, optimization, and energy efficiency analysis.