

MAJJURI ARAVIND SWAMY

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PROFILE SUMMARY

AI & Data Science undergraduate with hands-on experience in Machine Learning, MERN development, REST APIs, and production applications. Completed 3 technical internships, contributed to open-source, and deployed real-world projects.

TECHNICAL SKILLS

Languages: Python, JavaScript

Frameworks: React, Node.js, Express, Flask, Scikit-learn

Databases: MongoDB, PostgreSQL

Tools: Git, GitHub, VS Code, Postman, Figma

Other: JWT, WebSockets, Docker, REST APIs, NLP, Model Deployment

ACHIEVEMENTS

Open Source Contributor — Fixed Issue #13911 in OHCNetwork_Care. PR merged and earned GitHub badge.

INTERNSHIP EXPERIENCE

Software Development Intern — Teach for India (ClassLog), IIIT Hyderabad Dec 2024 – Jan 2025

- Developed AI-powered classroom assistant using Computer Vision, NLP, and OpenCV for student engagement analysis.
- Built backend modules with Flask, Librosa for audio processing, and integrated Google Generative AI with Transformers.
- Created Bootstrap-based frontend dashboards for course outlines, quiz/notes generation, and resolved API authentication bugs.

Full Stack Intern — EduSkill (AICTE) Oct 2024 – Dec 2024

- Built MERN apps with JWT authentication and secure CRUD operations.
- Developed REST APIs and WebSocket-based real-time features.
- Collaborated with 5-member team in Agile workflow with Git branching and PRs.

Summer of AI Intern — Swecha Telangana May 2024 – June 2024

- Built sentiment analysis ML model achieving 92% accuracy with TF-IDF + RandomForest.
- Handled preprocessing, feature engineering, model tuning, and evaluation.

PROJECTS

Dev-Orbit — **Full Stack Collaboration Platform** — Live — GitHub

- Built using React, Node.js, Express, MongoDB with real-time chat, AI chatbot, and code compiler.
- Created dashboards, certificate generation & verification, and analytics.

Sentiment Analysis — **ML/NLP Model** — GitHub

- Achieved 92% accuracy with TF-IDF + RandomForest and built Flask API for real-time inference.

Note-Taking App — **MERN** — Live — GitHub

- Secure note-taking using JWT authentication and MongoDB with CRUD operations and responsive UI.

EDUCATION

B.Tech, AI & Data Science — KIET (JNTUK) 2022 – 2026

CGPA: 7.9

Intermediate — Pragati Junior College 90.4%

SSC — Sri Surya E.M. School 596/600

CERTIFICATIONS

- Foundations of Modern Machine Learning (Grade A) — IIIT Hyderabad
- Winter Internship Certificate — IIIT Hyderabad RCTS
- Python Advanced Certification — EDYST

LEADERSHIP & LANGUAGES

Team Lead Intern — K-HUB (KIET-RCTS) — Led development team, delegated tasks, reviewed code, managed execution.

Languages: English (Fluent), Telugu (Native)