

MAJOJU VAISHNAVI

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EDUCATION

Osmania University

Bachelor of Engineering in Computer Science

2024 - 2027

CGPA: 9.4/10

Government Polytechnic College

Diploma in Computer Science

2021 - 2024

CGPA: 9.7/10

EXPERIENCE

Intern

May 2026 - July 2026

IRA Labs

- Developed cross-platform mobile application interfaces using React Native and Expo, leveraging AI-assisted development tools to accelerate frontend development, debugging, and feature delivery.
- Managed Android and iOS deployment pipelines using Expo Application Services (EAS), generating release builds and supporting Google Play Store and Apple App Store publishing.

PROJECTS

PCOS Diagnostic & Personalized Wellness Platform | MERN Stack | Python | Gemini API | [GitHub](#) [Live Demo](#)

- Developed a full-stack MERN application for PCOS risk assessment and wellness tracking with secure user authentication and real-time health data management.
- Integrated an XGBoost-based prediction model using FastAPI, achieving 96.7% recall and 93.3% F1-score, with Gemini API-powered personalized diet and exercise recommendations.
- Implemented Scikit-Learn preprocessing pipelines and MongoDB Atlas integration for efficient model inference and scalable data management.

Women Safety App | Java | Android SDK | Flask | REST APIs | [GitHub](#)

- Developed a voice-activated emergency SOS system with speech recognition and Android Foreground Service, triggering emergency alerts within an average of 3.2 seconds.
- Integrated real-time GPS tracking with automated SMS alerts to emergency contacts, including offline SOS support via cellular SMS without internet connectivity.
- Built a RESTful Flask backend for user authentication and emergency contact management.

Multi-Tenant SaaS Backend | Java | Spring Boot | Spring Security | Hibernate | PostgreSQL | [GitHub](#)

- Engineered a multi-tenant SaaS backend in Spring Boot with secure tenant data isolation via Hibernate, JWT authentication, and role-based access control (RBAC)
- Designed layered architecture with Flyway migrations, request validation, global exception handling, and Swagger documentation
- Implemented unit and integration tests with JUnit 5

SKILLS

Languages JavaScript, Java, Python, C++

Frontend React Native, Expo, React.js

Backend Node.js, Express.js, FastAPI, Spring Boot

Databases MongoDB, PostgreSQL, MySQL

Cloud & Tools AWS, Git, GitHub, Maven

Core Concepts OOP, DBMS, Operating Systems, Computer Networks, REST APIs

DSA Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, Hashing, Dynamic Programming

ACHIEVEMENTS

- Secured State Rank 11 in ECET (Engineering Common Entrance Test).

OPEN SOURCE CONTRIBUTIONS

- Redesigned the default **Service Agreement** sample in Accord Project's open-source Template Playground to better reflect a realistic legal use case ([PR #702](#))
- Fixed broken VS Code extension links in **Accord Project technical documentation**, improving developer onboarding experience ([PR #485](#))