Polana Mahadev

polanamahadev@gmail.com | +91 8977405458 | Machilipatnam, Andhra Pradesh
GitHub: Mahadev949 | LinkedIn: Mahadev Polana | Hacker Rank: polana mahadev | Portfolio

Professional Summary

Full-Stack Developer skilled in Java, Python, and modern web frameworks such as React.js and Bootstrap. Experienced in Android application development and building responsive, user-friendly applications. Strong problem-solving abilities demonstrated through hackathons, coding competitions, and real-world projects. Seeking opportunities to contribute to innovative software development initiatives.

Education

B. Tech in Computer Science and Engineering (CSM) (ongoing)
Sri Vasavi Institute of Engineering and Technology, JNTUK
(2022 - 2026) | CGPA: 7.3

Intermediate (MPC)
Vijaya Junior College, Andhra Pradesh Board (2020 - 2022)

SSC
Nagarjuna Public School, SSC Board (2020)

Technical Skills

Programming Languages: Java, Python, C
Web Technologies: HTML, CSS, Bootstrap, JavaScript, React.js
Tools: VS Code
Databases: MySQL, Firebase

Projects

To-Do List Web App

- Built a responsive task management application with titles, descriptions, and state persistence. Designed with component-based architecture for maintainability and scalability.

Tic Tac Toe Game (Desktop Application) (Web Application) (python | Java)

- Designed a two-player interactive game with win/draw detection logic and reset functionality. **Tested by over 20 users to ensure functionality and usability.**

Universal Unit Converter (GUI App) (python)

- Developed a GUI-based tool supporting 250+ unit types across multiple categories, improving conversion efficiency compared to manual calculations.

Campus Timetable Management System

(Android Apps + Web Dashboard | Java, Firebase, JavaScript)
Designed and deployed a role-based timetable management system for a college environment, consisting of **two Android applications and one web dashboard**.

Student Android App

- Developed an Android app for students to view **class timetables and schedules** in real time
- Implemented editable timetable cells, subject dialogs, and customizable UI themes
- Added JSON import/export and persistent storage using Shared Preferences
- Used by **50+ students**, reducing manual timetable handling by **~70%**

Faculty Android App

- Built a faculty-specific Android app to manage **personal timetables and invigilation details**
- Implemented **faculty ID–based subject mapping**, supporting multiple subjects and lab sessions per faculty
- Ensured accurate schedule synchronization across classes and departments

Admin / Timetable Designer Web Dashboard

- Developed a web interface to manage **course mapping, faculty assignment, lab span logic, and conflict detection**
- Implemented validation rules for lunch breaks, lab continuity, and multi-faculty subjects
- Optimized performance using **progressive data loading** for large datasets

Certifications & Virtual Internships

- AWS Cloud Virtual Internship - Amazon Web Services
- Google AI-ML Virtual Internship - Google
- Google Android Developer Virtual Internship - Google

Achievements

- Achieved **1st Place at Code Zone 2025**, a college-level competitive programming contest, by solving complex algorithmic challenges under time constraints.
- Secured **2nd Place at Code Zone 2024**, competing against 100+ peers with optimized solutions in Java and Python.
- Won **3rd Place at Code Zone (MIC) 2025**, showcasing adaptability and consistent performance across competitions.
- Participated in the **Amaravati Quantum Valley Hackathon 2025** (Govt. of Andhra Pradesh) and developed a Quantum State Visualizer project.
- Won 1st prize at ProjectExpo 2025, a college level competition.
- Won 1st Prize in PPT Presentation in college-level competition