

Sumalatha Gaddipati

9949164026 | sumagaddipati@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Hyderabad, India

PROFESSIONAL SUMMARY

Backend-focused software engineer experienced in building production-ready systems using Spring Boot and Flask. Skilled in REST API design, system optimization, and developing scalable backend applications.

MAJOR ACHIEVEMENT & FUNDING

Lead Developer | Real-Time Alert System (₹2.5L Funded)

- Secured ₹2.5L funding to build a real-time alert and notification system
- Developed low-latency backend using Firebase and Twilio, achieving <3 sec alert delivery
- Designed backend to handle concurrent event triggers and real-time notifications

EXPERIENCE

Python Developer Intern | Infosys Springboard | Oct 2025 – Mar 2026

- Engineered an end-to-end NLP-based fraud detection pipeline, managing the full lifecycle from data preprocessing to model evaluation.
- Achieved 94% accuracy in classification by optimizing feature engineering and preprocessing workflows.
- Integrated ML model inferences with backend services to enable real-time, deployment-ready fraud assessment.

PROJECTS

HalluciGuard Pro — AI Verification System | [GitHub](#)

- Built a microservice-based backend to verify AI-generated text using multi-source evidence evaluation
- Designed a multi-stage pipeline (retrieval → semantic comparison → scoring) for factual consistency analysis
- Implemented Redis caching to eliminate redundant computations, reducing response latency by ~35%
- Containerized services using Docker with modular design for scalability and maintainability

JobShield AI – Fake Job Post Detection System | [Live](#) | [GitHub](#)

- Developed an NLP-based backend system to detect fraudulent job postings in real time
- Optimized API response time by ~40% (120ms → 70ms) using asynchronous preprocessing and efficient request handling
- Designed JWT-secured REST APIs with role-based access control for secure operations
- Built a MySQL-backed feedback pipeline enabling continuous model retraining and improvement

CareConnect – Volunteer-Senior Assistance Platform | [Live](#) | [GitHub](#)

- Designed a role-based access control system using Spring Security and JWT
- Built backend workflow for admin verification of volunteers and service coordination
- Developed REST APIs to manage scheduling, user interactions, and real-time status updates

TECHNICAL SKILLS

Languages: Python, Java

Frameworks: Flask, Spring Boot, React

AI/ML: NLP, OCR

Databases: MySQL

Tools & Platforms: Git, GitHub, Postman, Render, Vercel, Docker, Redis

Core Concepts: DSA, OOP

EDUCATION

Anurag University, Hyderabad | B.Tech, Electronics & Communication Engineering | 2023 – 2027

- **GPA:** 9.54/10
- **Relevant Research:** Published author on "Dynamic Behavior of Electronic Systems" (JETIR, 2024)—utilized Python for data-driven system modeling.