

PRAYAG UPADHYAYA

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SUMMARY

Computer Engineering student specializing in full-stack development with demonstrated proficiency in Python-based machine learning systems, Java backend architecture, and Flutter mobile development. Technical competencies include database management (MySQL, Firebase, Supabase), cloud infrastructure (AWS), and modern programming languages (Python, Java, Dart). Experienced in architecting real-time systems and AI-driven applications. Currently advancing expertise in machine learning and algorithmic problem-solving through competitive programming. Committed to delivering scalable, high-impact software solutions with active engagement in open-source development.

TECHNICAL SKILLS

Python, Java, Flutter, Dart, MySQL, Git, GitHub, AWS(EC2 + RDS), Supabase(Postgres), C++, Postman, Spring Boot, Flask

PROJECTS

NexusPay - AI-based UPI Fraud Detection System ([GitHub](#))

An AI-powered cybersecurity app that protects users from UPI fraud through malicious QR detection, phishing SMS/email identification, transaction risk analysis, and a multilingual awareness chatbot.

Somaiya Portal - A College Management System ([GitHub](#))

A smart college management application developed for Somaiya featuring ESP32-based student attendance, faculty lecture assignment during absences, and centralized announcements using FCM for seamless campus communication.

Utsava - A Cultural Event Platform for Ganesh Chaturthi ([GitHub](#))

A Ganesh Festival platform featuring real-time pandal and Ganpati Aagman tracking, nearby pandal discovery, eco-friendly Ganpati shopping, and community engagement across Mumbai.

Rakshak - A Women Safety Application ([GitHub](#))

Rakshak is a Flutter-based AI women's safety app with gender verification, real-time unsafe zone alerts, anonymous group chats, and voice-activated SOS. Powered by Firebase for a secure and seamless experience.

EXPERIENCE

- **Backend Developer, Carebox Healthcare LLP** - Developed backend systems using ASP.NET (C#), Spring Boot, Java (Maven), and React for healthcare applications.
- **Open Source Contributor, GSSOC'25** - Contributed to 'Dev Sync' web development project as part of GirlScript Summer of Code 2025.
- **Active Hackathon Participant** - Competed in 10+ hackathons, demonstrating rapid development and problem-solving capabilities.

EDUCATION

- Diploma in Computer Engineering - K.J. Somaiya Polytechnic Aug 2023 - May 2026
- Secondary School, Sri Ma Vidyalaya(CBSE), Thane 2011 - 2023