

ROKESH V

Aspiring Software Engineer · Full-Stack Developer · AI Enthusiast · Android Developer

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PROFESSIONAL SUMMARY

Highly motivated Computer Science and Engineering undergraduate (CGPA 9.2/10.0) at R.M.D. Engineering College. Skilled in Full-Stack Development, Software Engineering, Artificial Intelligence, Computer Vision, and Android Application Development. Experienced in building real-world applications across healthcare AI, emergency response, and real-time collaboration. Strong problem-solver with hands-on experience in modern web technologies, scalable backend systems, and software engineering best practices.

EDUCATION

B.E. — Computer Science and Engineering · R.M.D. Engineering College, Chennai

Expected 2029 · Current CGPA: **9.2 / 10.0**

TECHNICAL SKILLS

Languages	Python, Java, C++, C, JavaScript
Frontend	HTML5, CSS3, React.js, Next.js, Tailwind CSS
Backend	Node.js, Express.js, FastAPI, REST APIs
Databases	PostgreSQL, MongoDB
Mobile	Android Application Development
AI & CV	OpenCV, YOLOv8, OCR Integration, AI-powered Application Development
Tools	Git, GitHub, Docker, Socket.IO, WebRTC, JWT Authentication, VS Code
CS Core	Data Structures & Algorithms, OOP, DBMS, Operating Systems, Software Engineering

PROJECTS

MediScan AI — AI-Powered Medicine Interaction Checker

Next.js · FastAPI · PostgreSQL · Docker · OpenCV · YOLOv8 · OCR

- Developed an AI-powered healthcare platform that detects medicine interactions and provides risk analysis.
- Implemented OCR-based prescription scanning to extract medicine information automatically.
- Integrated YOLOv8 and OpenCV for medicine recognition via computer vision.
- Designed secure JWT-based authentication and patient history management.
- Built scalable backend APIs and containerized deployment architecture using Docker.

SABLE — Emergency Alert Android Application

Android · GPS · SMS Services · Location APIs

- Developed a mobile safety application capable of sending instant emergency alerts.
- Implemented live location sharing and rapid emergency communication features.
- Integrated GPS tracking and alert mechanisms optimized for critical scenarios.
- Hardened reliability for time-sensitive emergency use.

SyncSpace — Real-Time Collaboration Platform

React.js · Node.js · Socket.IO · WebRTC

- Engineered a real-time collaboration platform supporting live communication.
- Implemented WebRTC-based peer-to-peer audio/video communication.
- Integrated Socket.IO for real-time synchronization and messaging.
- Developed responsive frontend and scalable backend architecture.

CERTIFICATIONS

- **HackerRank Software Engineer Certificate** — software development and problem-solving assessment.

ACHIEVEMENTS

- Maintaining an academic CGPA of **9.2/10.0**.
- Developed and deployed multiple Full-Stack, AI-powered, and Android applications.
- Built projects spanning AI, Computer Vision, Real-Time Communication, and Mobile Development.
- Active problem solver on LeetCode, HackerRank, and SkillRack.

LANGUAGES

Tamil (Native) · English (Professional Working) · Telugu (Spoken) · German (Learning)

CAREER OBJECTIVE

Seeking Software Development, Full-Stack, AI/ML, or Software Engineering internship opportunities to apply my technical skills, contribute to impactful projects, and continue growing as a software engineer.