

ROHITHAN P.D

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Executive Summary

Results-driven engineering student passionate about transforming real-world challenges into scalable tech solutions. Experienced in backend systems, full-stack development, and embedded hardware. Strong leadership, mentoring, and communication skills with a track record of impactful projects and achievements in dynamic environments.

Education

Sri Krishna College Of Engineering And Technology

B.E Electronics and Communication Engineering, CGPA: 6.9

Oct 2022 – June 2026

Coimbatore, TN

Experience

Salzer Technologies Pvt. Ltd.

Embedded Systems Intern

Jan 2024 – Feb 2024

Coimbatore, TN

- Collaborated on hardware design and implemented embedded C code for industrial monitoring.
- Contributed to sensor integration and real-time fault analysis for predictive maintenance.

Projects

Real-Time Stock Trading Simulator | *Java, Spring Boot, Redis, WebSocket, Prometheus*

- Developed backend system with in-memory order books and asynchronous trade matching.
- Integrated WebSocket for real-time trading updates; enabled monitoring via Prometheus.
- Improved system scalability and latency under high-frequency trades.

Pet Adoption Platform | *MongoDB, Express, React, Node.js*

- Built a responsive full-stack application to connect adopters with shelters.
- Implemented secure authentication and real-time messaging between users.
- Enhanced user engagement by optimizing UI/UX for mobile devices.

Silent Eye Drone | *SLAM, Embedded Systems*

- Designed autonomous drone with real-time terrain navigation using SLAM algorithms.
- Integrated noise-reduction hardware and sensors for discreet surveillance.
- Tested and calibrated navigation modules in complex terrain conditions.

Technical Skills

Hard Skills: *Java, C++, Python, SQL, JavaScript, HTML, CSS*

Frameworks/Tools: *Spring Boot, MERN Stack, Git, WebSocket, Redis, AWS (Basic)*

Soft Skills: *Leadership, Communication, Mentoring, Problem-Solving*

CS Fundamentals: *Data Structures, Algorithms, DBMS, OS, OOP*

Developer Tools: *VS Code, Eclipse, GitHub, Postman*

Achievements

- **1st prize in KANAM 2025 Ideathon** and **3rd in Paper Presentation**.
- President of tech club; mentored **150+ students across domains**.
- Guided **15+ student teams** in technical project development.
- State Handball Champion – 2017.

Certifications

Coursera: Building Your Leadership Skills

Cisco: Introduction to Cybersecurity – Cisco Networking Academy

Linux Training: Certificate of Completion

Deloitte: Cybersecurity Job Simulation

NPTEL: Ethics in Engineering