

ROHITHAN P.D

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Executive Summary

A current engineering student seeking opportunities

Motivated to contribute to organizational growth and personal development in the engineering industry.

Education

Sri Krishna College Of Engineering And Technology

B.E Electronics and Communication Engineering, CGPA: 6.9

Oct 2022 – June 2026

Coimbatore, Tamil Nadu

Victory Vidhyalaya MHSS

HSC

Aug 2020 – May 2022

Coimbatore, Tamil Nadu

Vimal Jyothi Convent MHSS

SSLC

Jun 2019 – Mar 2020

Coimbatore, Tamil Nadu

Projects

Pet Adoption Platform | *HTML, CSS, JavaScript, PHP, MySQL, MERN Stack*

- Developed a **Pet Adoption Platform** using the **MERN Stack** for seamless pet browsing, adoption, and rehoming.
- Integrated **secure authentication, real-time chat**, and an intuitive UI for user experience.
- Connected pet seekers with pet owners, ensuring a **safe and efficient adoption process**.

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

- Built a high-performance backend for real-time stock trading with priority-queue-based order matching and in-memory order books.
- Enabled real-time updates via WebSockets and asynchronous execution using **ExecutorService**.
- Implemented Redis caching, stateless APIs for scalability, and Prometheus for performance monitoring.

Silent Eye Drone | *Drone, SLAM Algorithm*

- Engineered a noise-minimized surveillance drone for discreet monitoring in sensitive areas.
- Integrated AI-based SLAM for autonomous terrain navigation and real-time data capture.
- Built using eco-friendly materials to reduce environmental impact and ensure mission stealth.

Skills

Programming Languages: Java, C, HTML, CSS, JavaScript, SQL

Technologies & Frameworks: MERN Stack, Spring Boot, GitHub

Developer Tools: VS Code, Eclipse

Hardware & IoT Skills: IoT, UAV & UGV Assembling, SLAM Algorithm Implementation

Soft Skills: Leadership, Teamwork, Decision-Making, Situation Awareness, Drone Piloting

Languages Known: English, Tamil, French (Conversational)

Achievements

- Solved over 50 problems on LeetCode.
- Won 1st prize and cash award in Ideathon (Tech Tank), KANAM 2025.
- Secured 3rd prize in paper presentation at KANAM 2025.
- State-level Handball winner – U14 (2018).