

Rambilas Sah

📍 Salem, Tamil Nadu ✉ ram6070246@gmail.com 📞 +91 8807484703 in rambilas-sah 🌐 Ram-Sah19

Education

Sona College of Technology, Salem

2023 – 2027

B.E. Computer Science & Engineering

- CGPA: 7.53 / 10 (up to 4th Semester)
- Relevant Coursework: DSA, ML, AI, OS, DBMS, Software Engineering

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C, SQL

Web & Backend: MERN Stack (MongoDB, Express.js, React.js, Node.js), REST APIs, Supabase, LiveKit

ML / AI: Machine Learning, Generative AI, scikit-learn, TensorFlow, AIML

Tools: Git, GitHub, VS Code, Linux **CS Concepts:** DSA, Software Engineering, HCI, Real-time Systems

Projects

Blood Donation AI — Emergency Coordination System

2024

Python · Machine Learning · REST APIs · Samitha Hackathon Recognition

- Designed an AI-powered emergency coordinator matching donors to recipients using blood type compatibility, proximity, and real-time availability; reduced hypothetical matching latency vs. manual processes.
- Built a recommendation engine with personalized donor scoring and eligibility verification; validated across multiple blood type and location scenarios.

Telemedicine Platform — AI-Integrated Healthcare System

2024

React.js · Node.js · Supabase · Health Metrics APIs · AIML Nasscom Finalist

- Developed an end-to-end telemedicine platform covering patient registration, appointment scheduling, secure EMR, and AI-assisted digital prescriptions; consolidated multiple health metrics APIs into a unified data system.
- Delivered full software engineering lifecycle: requirements gathering, feature estimation, implementation, and deployment.

Snap-Fix— Production Code Security Auditor

2024

Node.js · JavaScript · Security · CLI · CI/CD · npm

- Open-source Node.js CLI tool detecting 5 critical production security issues
- Implemented intelligent auto-fixing system with interactive and bulk-fix modes
- Built advanced scope analyzer for detecting unprotected async/await calls
- Configured GitHub Actions CI/CD pipeline with multi-version Node.js testing

Holiday Hideout — Full-Stack Booking Platform

2024

MERN Stack · REST APIs · Role-Based Auth · AI Chatbot Integration

- Built a production-grade Airbnb-style platform with property listings, bookings, and admin dashboard; integrated an AI chatbot to reduce manual support queries and implemented role-based authentication.
- Optimized application performance by 65 through Cloudinary CDN implementation, MongoDB query indexing, and connection pooling; achieved \downarrow 1.5s average page load time

Open Source Contributions

Contributor — Rocket.Chat (Electron)

github.com/RocketChat/Rocket.Chat.Electron

2025

- Fixed a bug where anchor link clicks in the Topic section were silently dropped — implemented a global click listener in `src/injected.ts` routing external links via the desktop bridge.
- Navigated a large-scale TypeScript codebase (thousands of GitHub stars), demonstrating ability to read, understand, and improve complex production systems.

Certifications & Achievements

- Generative AI for Data Science — IBM / Coursera (2025) | Technology Job Simulation — Deloitte (2025)
- DSA in Java — Apna College | National Level Srinivasan Ramanujan Mathematical Competition (2024)