SURAJ E M

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About

Curious Software Engineer with a B.E. in Information Science, passionate about crafting real-world, scalable solutions. Experienced in Web Development, Machine Learning, and DevOps, with a focus on clean, efficient systems.

Education

M S Ramaiah Institute of Technology — Dec 2021 – July 2025
B.E - Information Science and Engineering, CGPA: 9.15 — *Bengaluru, India*
- Secured 3rd place for final year major project.

SIR MV PU College — 2019 – 2021
12th - State Board - 95%, KCET Rank: 3904 — *Davangere, India*

Kendriya Vidyalaya Davangere — 2018 – 2019
10th - CBSE - 90% — *Davangere, India*
- School Vice Captain for 2 years; 2nd in State-Level Debate Competition.

Internships

Project Intern — Jan 2025 – July 2025
Oracle (Demo) — *Bengaluru, India*
- Built a real-time dashboard for Siebel component health using dynamic, color-coded UI updates.
- Automated Siebel deployments with rollback via Jenkins CI/CD and Bash scripting.
- Configured Email Validation, Toggle Applets, and Hierarchical Picklists in Siebel CRM.

Software Intern — Sept 2024 – Oct 2024
Bharat Electronics Limited (Github) — *Bengaluru, India*
- Developed offline AI-based PDF/DOCX summarizer using BART and Pegasus models.
- Integrated secure FastAPI backend and React-based UI for local summarization tool.
- Enhanced summarization speed and accuracy across multiple document types.

Projects

Privee – Private Messaging App | *React.js, Node.js, WebRTC, Socket.IO* — **GitHub** — **Preview**
- Built a privacy-first chat app with auto-deleting 1-on-1 messages and no data storage.
- Integrated WebRTC-based webcam/audio sharing and secure room-level communication.
- Optimized for mobile with PWA support and smooth animations using Framer Motion.

Cook Connect – Cook Booking App | *MERN Stack* — **GitHub** — **Preview**
- Developed a full-stack cook-booking platform with real-time matching and filtering.
- Implemented dashboards, booking history, alerts, and detailed profile management.
- Designed secure role-based APIs with animated frontend and real-time interactions.

Emotion Detection System | *Python, OpenCV, TensorFlow, Flask* — **GitHub**
- Built a real-time emotion detection system from webcam, voice, and text inputs.
- Combined CNN and NLP models with live visualization in a Flask-based interface.
- Unified multi-input predictions into a seamless AI-powered emotion dashboard.

For more projects: github.com/me21jarus

Technical Skills

Languages: C++, Python
Frontend: React.js, Next.js, HTML, CSS, JavaScript
Backend: Node.js, Express.js, FastAPI
DevOps: Docker, Kubernetes, Jenkins, Bash
Databases: MySQL, MongoDB