

SUHAS V

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EDUCATION

RV College of Engineering

- Master of Technology
- Software Engineering

Bangalore, Karnataka

2025 - 2027

Sri Venkateshwara College of Engineering

- Bachelor of Engineering
- Information Science and Engineering

Bangalore, Karnataka

2021 - 2025

WORK EXPERIENCE

VLSI Design Engineer Intern [Rooman Technologies Pvt. Ltd.]

11/2024 - 03/2025

- Gained practical experience in VLSI and SoC functional design, working on module-level architecture, design flow understanding, and system specification
- Trained in engineering workplace safety and professional practices, ensuring adherence to industry standards in technical environments
- Strengthened core skills in digital design concepts, functional modeling, and technical documentation for semiconductor applications

PROJECTS

AI ASSISTANT (Multi-Agent Chat System)

10/2025 - 12/2025

- Designed and implemented a full-stack AI assistant with a multi-agent architecture (Planner → Executor → Critic), enabling structured reasoning, response validation, and memory-driven interactions using real LLM integration
- Built a production-style web application using FastAPI (backend) and React + Vite (frontend), featuring a modern ChatGPT-style UI with real-time API communication and scalable agent orchestration

AI AGENT (Autonomous Multi-Agent Software Engineer)

08/2025 - 10/2025

- Designed and implemented a full-stack autonomous AI engineering platform capable of planning, generating, executing, debugging, and deploying real-world software projects using end-to-end automation, reducing manual development effort by 65%
- Built a scalable server-based architecture with FastAPI, multi-agent orchestration, and tool execution pipelines (Shell, Python, Filesystem), along with a professional web dashboard supporting long-term memory learning, self-debugging workflows, user-defined project paths, and Flutter-based mobile app generation

Codesense (Automated Code Review System)

03/2025 - 05/2025

- Designed and implemented an end-to-end code quality analysis platform integrating GitHub workflows, automated testing and debugging, and the Llama 3.2 model, resulting in a 60% reduction in code review time and 40% improvement in code reliability
- Developed a scalable web application using React.js and Flask, with GitHub Actions automation, increasing deployment efficiency by 70% and enabling continuous integration with minimal manual intervention

TECHNICAL SKILLS

- **Languages:** Python, C, Java, SQL (MySQL), JavaScript, HTML, CSS
- **Frameworks:** React.js, FastAPI, Flask, Django, Selenium
- **Cloud & DevOps:** Amazon Web Services (AWS), Docker, Git, GitHub
- **Tools:** Jupiter Notebook, VS Code, Tableau, VMware, Postman, LaTeX, Figma
- **Operating Systems:** Linux/Unix, Raspberry Pi

EXTRA-CURRICULAR ACTIVITIES/Achievements

- Succeeded in Amateur Station Operator Certificate (ASOC) Restricted Grede Examination specifically in the context of amateur (HAM) radio licensing. It is a certificate required in India to operate an amateur wireless telegraph station