

SUHAS MANJUNATH

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SUMMARY

B.Tech student in Electronics and Communication Engineering (Data Science specialization) with hands-on experience building AI-assisted automation tooling, full-stack web applications, and embedded systems. Most recently engineered a Python-based chip-modelling workflow at Mindgrove Technologies that automated a manual, datasheet-driven design verification process. Combines applied software engineering, AI/ML, and electronics/embedded systems experience.

EDUCATION

SRM Institute of Science and Technology, Kattankulathur, Chennai 2023 – Present
B.Tech in Electronics and Communications Engineering (Data Science Specialization)

EXPERIENCE

Intern — Mindgrove Technologies Pvt. Ltd. Jan 2026 – Jun 2026

- Developed an AI-based chip-modelling workflow that parses vendor datasheets and generates Python models for design verification, automating a process that was previously manual and time-consuming.
- Extended Mindgrove's internal automation tool to support the new workflow, strengthening the team's engineering tooling.
- Built a web dashboard for regression tracking, improving visibility into test results and progress across the team.
- Recognized for technical depth, initiative, and the ability to work independently; completed the project on schedule with performance exceeding expectations.

Intern — TELiBrahma Technologies Dec 2024 – Jan 2025

- Contributed to the Bangalore Traffic Police application used for managing traffic fines.
- Worked on API integration and data security, including hashing of sensitive data.
- Contributed to JavaScript-based workflows supporting application functionality.

PROJECTS

College Project Allocation Portal | Full-Stack Web Application

- Built a platform to digitalize final-year project allocation at SRM University.
- Implemented secure authentication, project submission, and admin dashboards using React, Node.js, and PostgreSQL.

AI-Powered Safe Space Platform | Harassment Reporting System

- Created an AI-based platform for anonymous incident reporting, including legal chatbot support built with Mistral 7B and vector search.

Parking Management System | Flask & JWT

- Built a backend platform for real-time parking-slot booking with JWT-secured admin controls, using Flask.

Walking vs. Running Detection | CNN + OpenCV

- Designed a CNN-based motion classification system using OpenCV and the HMDB51 dataset to distinguish walking from running.

Arduino-Powered Drone & RF Signal Detector

- Developed a drone with IMU-based balance control on Arduino, and an Op-Amp circuit for RF signal detection.

TECHNICAL SKILLS

Languages: Python, JavaScript, VHDL, Verilog
Frameworks & Web: Flask, NumPy, React, Node.js, Express.js
AI / Machine Learning: NLP, Computer Vision, CNNs, Inference Chatbots, Mistral 7B, Vector Search, FAISS
Databases & APIs: PostgreSQL, Sequelize ORM, JWT, REST APIs, Postman
Embedded / Hardware: Arduino, STM32 (beginner), PCB Design, Sensor Integration, Vivado, Xilinx
Developer Tools: Git, GitHub, VS Code, Jupyter, Linux Terminal

CERTIFICATIONS

MERN Stack Development • Machine Learning (Foundational) • Embedded C • PCB Design • Advanced Python

LANGUAGES

English • Kannada • Hindi • Telugu • Tamil