VIGNESHWAR M

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PROFESSIONAL SUMMARY

Engineering graduate with hands-on experience in real-time monitoring, automation projects, and structured QA workflows. Skilled in Python, C, Git, and dashboard integration. A quick learner with strong communication and problem-solving skills, seeking to contribute meaningfully as a Graduate Trainee while expanding technical and operational capabilities.

TECHNICAL SKILLS

- **Languages:** Python, C, JavaScript (Basics)
- **Web Development:** HTML, CSS, Node.js (Basics), Firebase, REST APIs
- **Tools & IDEs:** Arduino IDE, SQL, Git, LabVIEW
- **Development:** OOP, SDLC, Debugging, Embedded Programming
- **Other Skills:** Bluetooth Communication, Wireframing, Low-Level Programming, Sensor Integration

PROJECTS

Voice-Controlled Syringe Infusion Pump

- Created a voice-controlled medical device interface to automate infusion tasks, reducing manual workload by 70%.
- Designed Bluetooth communication between Android app and Arduino firmware.
- Collaborated on a real-time medical device system with Bluetooth control interface, reducing manual errors in infusion processes.

Automatic Speed Control in Electric Vehicles

- Built a sensor-based EV speed controller with real-time terrain adaptation.
- Developed Bluetooth-connected Android interface for remote override.
- Integrated tilt sensors for responsive speed adjustment.
- Tested across multiple terrains; validated logic accuracy and fail-safes.

PROFESSIONAL EXPERIENCE

Enthu Technology Solutions India Pvt Ltd — 12/2022–03/2023
Intern – Embedded and IoT Development — *Coimbatore, Tamil Nadu*

- Assisted in developing automation features using sensors and embedded controllers.
- Contributed to real-time data monitoring dashboards and alert systems.
- Participated in Agile sprints and maintained task documentation and firmware reports.
- Supported basic testing and fault detection across hardware systems.

CERTIFICATIONS

- Python Programming – Infosys Springboard
- C++ Programming – Infosys Springboard
- Introduction to HTML – Sololearn
- IoT Development – Enthu Technology
- Image Processing – MathWorks
- MS Excel – Excel Champs
- Connected Cars & Autonomous Systems – Krish Tech

EDUCATION

Sri Ramakrishna Engineering College — Coimbatore, Tamil Nadu
B.E. in Electronics and Communication Engineering — *2021 - 2025*

Suguna RIP V Matric Hr. Sec School — Coimbatore, Tamil Nadu
HSC – 82.3% & SSLC – 85% — *2019 & 2021*

ADDITIONAL DETAILS

- **Soft Skills:** Time Management, Adaptability, Team Collaboration, Communication
- **Languages Known:** Tamil (Native), English (Fluent), Hindi (Intermediate)