

LOGESH S

18/05/2004

Electrical & Electronics Engineering Student

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Professional Summary

Dedicated and results-driven Electrical and Electronics Engineering student passionate about embedded systems and electric mobility. Seeking to leverage skills in real-time embedded systems, motor control, and power electronics to contribute to innovative projects in a challenging internship role.

Skills

Hardware & Core

- Motor Control (SRM/BLDC), Battery Management Systems, Power Electronics, IoT
- Tools: Arduino IDE, Microcontrollers, Relay Modules, Sensors (IR, Ultrasonic, Vibration), IGBT

Software & IT

- Python (Requests, BeautifulSoup, Streamlit, NumPy, Pandas), Java
- Concepts: Web Scraping, Data Cleaning, AI Chatbot Models

Soft Skills

- Team Collaboration, Public Speaking, Mentoring

Education

- **B.E. Electrical and Electronics Engineering** – V.S.B Engineering College, Karur 2022 – 2026 (82.1)
- **HSC** – Cheran Matriculation Higher Secondary School Completed 2022 (82.1)
- **SSLC** – Cheran Matriculation Higher Secondary School Completed 2020 (75.9)

Projects

Automatic Battery Switching in EV

- Designed a dual battery switching system enabling seamless transitions to backup when charge <30%.
- Improved runtime reliability using Microcontroller, Relay Modules, Voltage Sensors, Embedded C/C++.
- Link: [EV Project](#)

Codidiot AI Master – AI Chatbot Model

- Built AI chatbot with Python & Streamlit, achieving 25% faster processing.
- Link: [AI Chatbot](#)

Multi-function Robot

- Programmed autonomous/manual robot with line-following, edge-detection, obstacle avoidance.
- Tools: Arduino, DC Motors, Motor Driver ICs, IR/Ultrasonic Sensors, Bluetooth.

QuantWeb Background Remover

- Designed a Python + Streamlit tool with 99% image accuracy.
- Link: [QuantWeb Background Remover](#)

QuantWeb Pro Scraper

- Built full-stack web scraper for dynamic sites using Streamlit & Pandas.
- Link: [QuantWeb Pro Scraper](#)

Scrolling LED Display

- Created custom text scrolling LED system with Arduino.

Achievements

- Shortlisted (Top 13/250) – MSME IDEA Hackathon 2024: PV-based EV using Sensor-less SR Motor.
- Secured 11th/40 – Anvenshana National Engineering Expo 2023: “ATOM” multi-functional robot.

Certifications

- Java Completion Certification
- Python Programming Certification
- Mind Mapping Techniques
- Hindi Language Certifications (Pariskha, Pratham, Madhyama, Rashtrabhasha)

Area of Interest

- Switched Reluctance Motor
- Artificial Intelligence & Machine Learning

Declaration

I hereby declare that all the information provided above is true to the best of my knowledge and belief.