LOGESH S

About Me

- Highly motivated Electrical and Electronics Engineering student passionate about developing innovative solutions for electric vehicle motor control and battery management systems.
- Possess a strong understanding of motor control principles and seeking an internship to contribute to the advancement of sustainable transportation technologies.
- Eager to gain practical experience in designing and implementing control algorithms for EV powertrains

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EDUCATION

Bachelor of Electrical and Electronics Engineering at V.S.B. Engineering College | 2022–2026.

Cheran Matriculation Higher Secondary School | Completed in 2022

RESEARCH AND DEVELOPMENT INITIATIVES

- Explored the replacement of Switched Reluctance Motors (SRM) with BLDC motors, along with battery charging using photovoltaic cells during stable and running conditions.
- Proposed the implementation of SRMs in compressors and discussed the feasibility with expert jury members and industry professionals.

HARDWARE PROJECTS

- Scrolling LED
- Two Multi-function Robots
- Battery Switching
- Smart Home Automation

AREA OF INTEREST

- Switched Reluctance Motor
- AIML

GITHUB

Github name - codidiot-user
Link - https://github.com/codidiot-user

CERTIFICATIONS

- Python Programming Certification
- Mind Mapping Techniques
- Analyzing Your Mental Models
- Java Completion Certification

SKILLS

- **Programming Language**:
- Python (BeautifulSoup4, Requests, Streamlit),
- Arduino language.
- **Hardware**:
- Microcontrollers (Arduino)
- Sensors (Vibration, IR, Ultrasonic, PIR)

ACHIEVEMENTS

- Shortlisted as one of 13 teams (out of 250 initial applicants) in the MSME IDEA HACKATHON for 2024 for a project on “PV-based Electric Vehicle using Sensor-less SR Motor”.
- Secured 11th position out of 40 teams in Anvenshana National level Engineering Project Expo 2023 for a project on “ATOM” which aimed to perform multi-functions in a single Robot .
- Developed a web application using Python and Streamlit.

SOFTWARE PROJECTS

- **Project: QuantWeb.Ai**
- Description: Designedan AI chatbot model using Python and Streamlit achieving up to a 17% increase in model processing speed.
- Link: https://codidiot-quantweb-ai.streamlit.app/
- **Project: QuantWeb Background Remover.**
- Description: Designed using only Python and Streamlit achieving 97% background removal accuracy on images.
- Link:https://remover-codidiot-user.streamlit.app/

LANGUAGE

- Tamil (Native)
- English (Fluent)