

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

AREA OF INTEREST

- Switched Reluctance Motor
- AIML

GITHUB

Github name - codidiot-user

Link - <https://github.com/codidiot-user>

CERTIFICATIONS

Hindi Language:

- Pariskha: Passed with Distinction
- Prathamik: Passed with First Class
- Madhyama: Passed with First Class (Papers 1 & 2)
- Rashtrabhasha: Passed with Second Class (Papers 1 & 2)

Others:

- Python Programming Certification
- Mind Mapping Techniques
- 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: Designed an 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)