SIVANANTHAN C

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ABOUT ME

I am currently pursuing a B.E. in Electrical and Electronics Engineering, with a strong passion for technology and a drive to explore new opportunities. Committed to continuous learning and skill development. Adaptable, quick to learn new skills, and able to communicate effectively with diverse groups. Enthusiastic about contributing to collaborative efforts and finding innovative solutions.

INTERNSHIP

NATIONAL INSTITUTE OF TECHNOLOGY - TIRUCHIRAPPALLI - INTERN   **JULY 2024 - AUG 2024**

The Perturb and Observe (P&O) algorithm is a popular MPPT method used in PV systems to maximize the power output by continuously adjusting the operating point of the PV panels.

SAFVOLT SWITCHGEARS PRIVATE LIMITED - COIMBATORE, TAMIL NADU - INTERN   **JAN 2024 - FEB 2024**

I learned about various switchgear components, including different types of circuit breakers (MCCB, ACB, VCB) and their applications, as well as the roles of contactors and relays in controlling electrical circuits.

EDUCATION

Bachelor of Electrical and Electrical Engineering   **2022 - present**
KPR Institute of Engineering and Technology Coimbatore.
CGPA : 8.78 upto 6th Semester

Government Higher Secondary school, Kalapatti, Coimbatore.   **2019- 2022**
SSLC : 85% | HSC : 86%

PROFESSIONAL MEMBERSHIPS

- IEEE Power & Energy Society - (Jan 2025 - Dec 2025) - Member
- IEEE Control System Society - (Jan 2024 - Dec 2024) - Vice Chair
- SSEM - (Jan 2023 to April 2026) - Member

PROJECTS

1. **Cab Booking Application**   **MAY 2025 - June 2025**
   - **Description:** Designed and implemented a console-based Cab Booking System with role-based access for Customers, Cab Drivers, and Admin.

2. **IPL Player & Team Performance Dashboard**   **JULY 2024- OCT 2024**
   - **Description**: Analyzed IPL cricket data to evaluate player and team performance across seasons.
   - Visuals: Most runs, most wickets by player, Win rate by team, Venue-wise performance, Toss vs win

3. **Student Record Management System**   **JAN 2023 - APRIL 2023**
   - **Description**: A menu-driven program that allows you to add, delete, search, and display student records using file handling. Key Concepts: Structures, File I/O, Functions, Pointers

SKILLS

Programming
- C
- Data Structure
- SQL.

Tools
- VS Code
- GitHub
- Power BI
- Matlab
- STM32 cube IDE
- Cisco Packet Tracer

Protocols
- SPI
- I2C
- UART
- TCP/IP

CERTIFICATIONS

NPTEL :
- Introduction to Internet of Things,
- Fundamentals of Artificial Intelligence (Top 5% Topper).

Coursera
- The Arduino Platform and C Programming.
- Introduction to Databases.

Maven Silicon
- Embedded System Design - Overview
- VLSI SoC Design using Verilog HDL

ACHIEVEMENTS

- Finalist - Techgium L&T
- Won 1st place - Circuit Debugging held by IIIT Kottayam
- Won 3rd place - Paper Presentation

SELF-DECLARATION

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