SIVABALAN RS

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Karaikudi,
Tamil Nadu, India - 630003

EDUCATION

B.E. Electrical AND Electronics Engineering Oct 2021-present
Sri Eshwar college of Engineering, Coimbatore CGPA-8.33

TECHNICAL SKILLS

- **Programming Languages:** Basic C • **Web Technolgies:** Basic HTML and CSS
- **Core concepts:** Basic PLC | Network Theory | Digital electronics | Analog electronics
- **Tools used:** STM32CubeIDE | GX works2 | Proteus 8 | Blender | verge 3D | Canva | chatgpt
- **Area of intrest:** Energy Management | Battery management system | Blockchain | Electric vechiles

INTERNSHIP

VAct Technologies :

Interned at VAct Technologies from December 18, 2023, to January 6, 2024, gaining hands-on experience with the **STM32F405RGT6** microcontroller. Developed skills in embedded systems and acquired a fundamental understanding of communication protocols, including SPI, USART, and I2C.

ACHIEVEMENTS

- Published a paper in the conference **ICMSSMT 2023** in the topic of Sms Based Smart Billing in EV Charging Station.
- Participated workshop in the topic of **Current trends in energy storage and electric vechile** in NIT Trichy for a one week.
- Secured a position in Round 1 of the **Danfoss Hackathon** with our project abstract, showcasing a strong foundation in innovation

PROJECT

Sms Based Smart Billing in EV Charging Station:

Our project enables users to charge their vehicles, receive energy consumption details via messages for billing, offers real-time charging station data, integrates seamlessly with existing payment systems, and sends Voltage, Current, and Power consumption information to users' mobiles using components like current sensor, voltage sensor, RFID tag, and Arduino Uno

Solar Panel Auto Rotation:

Implemented a solar panel auto-rotation system in our project using an LDR sensor, ARDUINO UNO, and Servo Motor to optimize for maximum energy absorption, enhancing overall efficiency.

CERTIFICATES

- Completed C Programming course in Sololearn
- Completed Linear Circuits1:DC Analysis course in coursera
- Completed Blockchain in coursera