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Objective:

A trustworthy and innovative B. Tech student in Electrical and Electronics Engineering, demonstrating robust leadership qualities and a strong work ethic. With a commitment to inclusivity and excellence, eager to learn from every situation, and have a keen interest in embedded systems, control systems, and electronics. Passionate about leveraging my technical skills to drive technological advancements and contribute to organizational growth.

Education:

2021 – present Ettimadai, India.	Bachelor of Technology in Electrical and Electronics Engineering <i>Amrita Vishwa Vidyapeetham</i> CGPA: 8.66 (6 th sem)
2020 – 2021 Hosur, India	Higher Secondary, Physics-Chemistry-Maths-Computer, State Board <i>Sri Vijay Vidyalyaya</i> Mark: 564/600 (94%)
2018 – 2019 Hosur, India	Secondary Education, State Board <i>St. Josephs Matric Higher Secondary</i> Mark: 475/500 (95%)

Area of Interest:

- Embedded systems.
- Electronics.

Other technical qualifications:

Software skills	LabVIEW (Beginner) Matlab & Simulink (Intermediate) MPLab (Beginner) STM32 (Beginner) Codesys (Intermediate)
Programming skills	C (Intermediate) C++ (Intermediate) PYTHON (Intermediate) (with ML) PLC programming (Ladder logic) (Beginner)
Hardware knowledge	Raspberry pi Arduino UNO, ESP8266 and ESP32 PIC16F877A

Internship:

Jan-2024 Hosur, India. certification	Titan Engineering and Automation Limited (TEAL) <i>Intern (1 Week)</i> Acquired knowledge of the industry's workflow and gained experience in panel assembly and PLC programming in the automation field. Also gained practical knowledge by working on a fully automated project.
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JUL-2024
Hosur, India.
[certification](#)

Titan Company Limited – Jewellery Division.
Intern

Experienced in the company's power generation, consumption, and BMS system. Worked on the company's future dependence on automation and IIoT.

Inplant Training:

August-2023
Hosur, India
[certification](#)

Titan Company Limited
Inplant Training (1 Week)

Got to know smart technologies in watch manufacturing. Learned critical role and selection of electrical components, amplifying expertise in the intersection of technology and watch production processes.

Publications:

Jun-2024
Kannur, India
[certification](#)

Review on a smart solar-powered greenhouse system using IoT sensors for automated internal climate control and crop monitoring.

International Conference on Advancement in Power, Communication and Intelligent Systems.

This paper briefly reviews solar powered systems implemented in greenhouses and sensors used in greenhouses for their functioning. This review also includes existing models that have been implemented and future trends in greenhouse systems.

Projects:

Micro-controller
March – 2024

Smart Solar Greenhouse using IoT for internal Climate control.

Integrating various sensors with ESP8266 to control the internal climate of the greenhouse and integrate IoT for remote Monitoring and Control.

Embedded Systems
March – 2024

Smart street light system for a community.

With the help of Ldr sensor and NodeMCU have achieved control of street lights with IoT integrated.

Machine Learning
Nov – 2023.

Prediction of energy consumption in smart solar Greenhouse.

Have used different techniques to predict the DC power output.

Extra-Curricular Activities:

- Attended a one-day workshop on **Electric Vehicles by BOSCH.** [U.](#)
- Active participation in **NSS** – Government School, KG Chavadi.
- Achieved proficiency by clearing all 8 levels in **Dakshina Bharat Hindi Prachar Sabha** Hindi exams.

Languages: English, Tamil, Hindi.

Proficiency in reading, writing, and speaking

Mailing Address:

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