Harsha Vardhan R

Madurai, Tamil Nadu

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EXPERIENCE

Vappco Automations Solutions
Design Engineer Intern *Jun 2024 - Jul 2024, Tamil Nadu*

- Hands on experience on embedded systems and task automation.
- Developed an automatic water level detection to alert low and overflowing water level in water tank .
- Designed a miniature,cost-effective,OTP-based security system to protect critical vaults containing valuable resources .

PROJECTS

Customer insight prediction
Python, Google-colab *May - Jun 2023, BTech*

- Developed a ML model that efficiently improves the services offered by financial institutions.

Surveillance Camera
ESP32 Cam module *Feb - May 2024, BTech*

- Ultra-low power,camera with live feed on web-page.

Location tracking system
Embedded C, MP LAB *Sep - Oct 2023, BTech*

- Compact location tracking system with GSM capabilites.

Neem
Web development *May - Jun 2024, BTech*

- Yelpcamp based web application that provides login features,authentication and authorization ,along with CRUD functionalities .

Rotor fault analysis
MATLAB *Nov - Dec 2022, BTech*

- Analysed an IM with defects in performance and deduced the faults from signal processing techniques.

Data log and cloud-controlled actuation
Raspberry Pi *Nov - Dec 2022, BTech*

- Developed a Pi model with the ability to transmit data from multiple sensors to cloud platforms.

CERTIFICATIONS

- Circuit development and PCB crash course by Udemy
- Introduction to python by Udemy

ACHIEVEMENTS

- District level Spelling bee champion-2016
- Certification of merit for consistently holding top rank-2022,2023

SUMMARY

Final year Electrical and Computer Engineering student at Amrita Vishwa Vidyapeetham with a passion for learning latest technologies . Enthusiastic about coding and web development , and thrive in collaborative environments to create impactful solutions.

SKILLS

Languages	Python,Embedded C, C++, Assembly Language
Concepts	Microcontrollers,Electronic circuits,Control System,Sensors and actuators
Office	PowerPoint, Word
Tools	MATLAB, Arduino, Keil uVision4, Proteus, LTspice ,Simba
Soft Skills	Adaptivity, Creativity

EDUCATION

Amrita Vishwa Vidyapeetham Tamil Nadu
BTech - Electrical and Computer Engineering - GPA: 9.03/10.00

Velammal Bodhi Campus Tamil Nadu
HSC - Percentage: 93

Vikaasa School Tamil Nadu
SSC - GPA: 9.13/10.0

LANGUAGES

- Tamil (Native)
- English (Advanced)
- Hindi (Intermediate)

INTERESTS

- Task Automation
- Embedded Systems
- Software Development
- Circuit design and simulation