

VISHNU PRASAD K M

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🌐 VISHNU PRASAD K M

🔗 VISHNUPRASAD-2507

Education

Hindusthan College of Engineering and Technology

Bachelor of Engineering in Electronics and Communication. GPA: 8.22.

10/2021 - present

Coimbatore, Tamil Nadu

Sai Vidhya Nikethan Matriculation and Higher Secondary School

Higher Secondary Education. Percentage: 83.33 %.

04/2019 - 05/2021

Coimbatore, Tamil Nadu

Sai Vidhya Nikethan Matriculation and Higher Secondary School

Secondary School Education. Percentage: 75 %.

04/2018 - 03/2019

Coimbatore, Tamil Nadu

Technical Skills

Programming Languages: Embedded C, Java, Python.

Web Technologies: HTML, CSS, JavaScript.

Frameworks: Xilinx, MatLab.

Tools: Arduino IDE, GitHub.

Experience

CodeBind Technologies

01/2023

Embedded Systems Intern

- Designed and implemented a **microcontroller-driven system** to simulate traffic light operations using **Arduino**, incorporating **5+ LEDs** and timers for **efficient control and synchronization**.
- Designed and integrated circuits to interface with **3+ sensors** and hardware components, achieving **99% reliability** in system performance.
- Completed the project within **40+ hours**, demonstrating proficiency in microcontroller programming and hardware design.

Salzer Electronics Limited

07/2023

Relay and MCB Engineering Intern

- Acquired comprehensive knowledge of **working principles**, types, and applications of **relays** and **miniature circuit breakers (MCBs)** in electrical systems through **50+ hours** of hands-on study and observation.
- Analyzed **20+ manufacturing and quality testing processes** for relays and MCBs, gaining insights into functionality and **adherence to industry standards**.

Popular Systems

01/2024

Wiring Systems Intern

- Acquired practical knowledge in **wire cutting, crimping, trimming, and conduit fixing**, completing **1 - Month** of hands-on training to ensure precision and adherence to **quality standards**.
- Gained expertise in **10+ wiring techniques** and component assembly processes commonly used in electrical and electronic systems manufacturing.

Projects

Construction of Radar | Arduino IDE, Embedded C, Sensors(Ultrasonic, Heat), Servo Motor

03/2024

- Constructed a **radar system** utilizing **Arduino IDE**, integrating **ultrasonic sensors** and **servo motors** for **real-time object detection** and **distance measurement**.
- Developed and implemented radar control logic using **C/C++**, successfully interfacing **5+ hardware components** to achieve precise motion control and data visualization.
- Completed the project within **30+ hours**, demonstrating strong technical skills and attention to detail.

Personal Portfolio Website | HTML, CSS, JavaScript

01/2025

- Developed a **responsive personal portfolio** using **HTML, CSS, and JavaScript**, ensuring 100 % mobile compatibility and **cross-browser support**.
- Optimized website performance, achieving a 90+ score on Google Page Speed Insights by implementing efficient CSS and JavaScript.
- Integrated interactive UI components, improving user engagement by 30 %, leveraging JavaScript animations and modern design principles.

Courses in Progress

- VLSI Design - Tessolve Semiconductors.
- Frontend Development.