

SURIYA B

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[GitHub](#)



[LinkedIn](#)



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Summary

Organized and dependable candidate skilled in efficiently managing multiple priorities with a positive attitude. Willing to take on added responsibilities to effectively meet team goals while ensuring accuracy in handling multiple projects.

Internship Experience

Yellow Raft Kinetics | Design Engineer Intern

June 2024 to Jan 2025

The automated juicer system maintains consistent juice levels across multiple cups while tracking sealed cups and total dispensed juice. Real-time data is displayed on a screen and synced to the cloud daily, ensuring accuracy and minimizing wastage.

Education

B.E Kongu Engineering College, Perundurai with CGPA 8.32	2022-2026
HSC Vijay Vikas International Senior School, Erode with 84.4 percentage.	2021-2022
SSLC Vijay Vikas International Senior School, Erode with 80.6 percentage.	2019-2020

Language

• Tamil (Fluent) • English (Fluent) • Hindi (Fluent) • Japanese (Basics)

Projects

GPS location identifier : This project interfaces the U-blox G7020 GPS module with the PIC16F877A microcontroller to obtain real-time latitude and longitude data from satellites.. This setup can be integrated into embedded systems for location tracking applications.

IoT-Based Smart Temperature : Monitoring The IoT-based temperature monitoring system optimizes battery room conditions by tracking and analyzing temperature variations. Real-time data transmission enables predictive alerts for critical changes.

Autonomous Plastic Waste Segregation System: Developed a system that automates plastic waste segregation using deep learning. Collected various plastic types and utilized their distinct temperature coefficients for accurate categorization.

Technical Skills

Programming: C, Python, Embedded C

Tools & Software: proteus ,MPLAB XC8, Pickit2 ,ANSYS

Communication Protocols: UART, I2C,SPI,CAN

Microcontrollers & processors : 8086, STM32f103,PIC16f877a

Operating Systems: Linux(Red hat ,Debian ,Ubuntu)

AI ,& ML Tools: TensorFlow, OpenCV, NanoEdge AI Studio

Leadership & Responsibilities

Student Assessment Coordinator – Managed student evaluations and performance tracking.

Free lancing club-Executive member – Assisted in organizing technical events and seminars.

Soft Skills

- Attention to Detail
- Analytical Thinking
- Teamwork
- Adaptability

Interests

- Embedded C Programming
- Microcontroller-Based System Design