

HARI BHAVANI D

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CAREER OBJECTIVE

Recently completed embedded system course with a strong foundation in embedded C programming, microcontrollers, and circuit design. Eager to join a collaborative team to develop innovative embedded solutions and grow professionally. Have a Bachelor's degree in Electrical and Electronics Engineering and extensive knowledge of embedded systems and microcontrollers. Have strong problem-solving abilities, an eye for detail, and the capacity to work autonomously.

SKILLS SUMMARY

Programming:	C, Embedded C
Microcontrollers:	8051, PIC16F877A, STM32F401RE
Communication Protocols:	SPI, USART, UART, I2C, CAN
Hardware & PCB Design:	Digital electronics, Analog electronics
Development Tools:	MPLAB, Keil, Proteus, STM32CUBE IDE
Soft Skills:	Problem-Solving, Adaptability, Teamwork

PROJECTS

Smart energy meter using PIC16F877A

Jun-2025

This project presents the design and implementation of a Smart Energy Meter using the PIC16F877A microcontroller integrated with the Blynk IoT platform, enabling real-time power monitoring through a smartphone.

Sensor less speed control of PMBL Dc Motor Using Sepic Convertor

Apr-2018

Using a SEPIC converter involves using the converter to regulate the motor's speed without physical sensors for rotor position detection. This is achieved by leveraging the back EMF generated by the motor and employing control algorithms like fuzzy logic or PI controllers tuned with optimization techniques.

CERTIFICATES

Diploma in Embedded Systems | Pumo Technovation

Jan 2025-Jun 2025

- Learn embedded systems, microcontroller architecture, and applications in automotive and industrial sectors.
- Understand electronics, embedded C programming, and communication protocols like SPI, I2C, and UART.
- System design, and development tools like Proteus, MPLAB, Keiluvision and STM32cubeIDE.

EDUCATION

VSA GROUP OF INSTITUTIONS

B.E – Electrical and Electronic’ s Engineering: Percentage: 80

ST. ANDREW’S GIRLS HIGHER SECONDARY SCHOOL

HSC; Percentage: 83

ST. ANDREW’S GIRLS HIGHER SECONDARY SCHOOL

SSLC; Percentage: 88

SALEM

July 2014 - May 2018

RAMANATHAPURAM

June 2012 - March 2014

RAMANATHAPURAM

June 2011 - March 2012

EXPERIENCE

➤ **MEMCO ASSOCIATES INDIA PVT LTD , CMRL**

March 2022-Jan 2023

DEPOT CONTROLLER/DEPOT MOVEMENT REGULATOR

- To regulate the train movements in depot.
- To maintain the trains fitness.

TRAFFIC CONTROLLER

- To regulate the train movement in mainline.

➤ **MEMCO ASSOCIATES INDIA PVT LTD, CMRL**

Sep 2018-Feb2022

TRAIN OPERATOR

- To drive the train as per controller instructions

LANGUAGES

- English
- Tamil

DECLARATION

I hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.

Place:

Date:

(HARI BHAVANI D)