

# Harish Revanth

## Graduate Engineer Trainee

Aspiring Embedded Software Engineer with a self-learning attitude, capable of working in a team and taking initiatives. Seeking a challenging role in a reputable organization to apply my technical and interpersonal skills for organizational growth. Eager to enhance my knowledge of emerging trends in embedded systems.

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📍 Bengaluru

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## EDUCATION

### Bachelor of Engineering in Electrical and Electronics Engineering

Dr. Mahalingam college of Engineering and Technology, Pollachi.

06/2021 - 06/2024

7.3 CGPA

### Diploma in Electrical and Electronics Engineering

Nachimuthu Polytechnic College, Pollachi.

07/2018 - 06/2021

83%

### SSLC (Grade - 10)

Srinivasa Vidhayalaya Matriculation Higher Secondary School, Udumalpet.

06/2017 - 05/2018

78%

## PROJECTS (ACADEMICS/TRAINING)

### Third eye for Blind (ACADEMICS)

- Developed a cheap wearable technology for blind people.
- This project works on the principle of ultrasonic waves.

### Smart EV with ON Grid Green Energy & Wireless Charging (ACADEMICS)

- Developed a hypothetical way of charging EVs on the go seamlessly.
- This project works on the principle of energy conversion and electro-magnetic induction.

### Address Book in C (Training)

- Designed and implemented a console-based Address Book application in C.
- Built core functionalities including contact creation, searching, updating, and deletion using structured programming principles.

### CAN-based Automotive Dashboard (Training)

- The project featured sensor data acquisition, message encoding/decoding over CAN, and dynamic display updates on CLCD for indicators like speed, gear status, and turn signals.

### LSB image Steganography (Training)

- Developed a C-based steganography application for secure message hiding in BMP images using command-line interface.
- Implemented modular encoding and decoding operations with robust error handling and input validation.

## PROFESSIONAL TRAINING

### Trainee

Emertxe Information Technologies

12/2024 - Present

Bengaluru

Currently undergoing a Government of India certified technical training program – **Advanced Embedded Systems Course**.

## SKILLS

C programming

C++ (Basics)

Data structures using C (Basics)

Embedded C

Shell Scripting

Distributions - Linux (Ubuntu)

I2C

Dev environment: Makefiles, MPLAB, Thonny

CAN

UART

SPI

Microcontroller : PIC18F4580

RTOS

## ACHIEVEMENTS

### Energy Audit Presentation

Participated in "Energy Auditing Presentation" and have moved to final round conducted by VIT.

### Project Presentation - International Conference

Me and my teammates presented our final year project in an **International Conference on Sustainable innovations in Engineering and Management**.

## AREA OF INTEREST

- Firmware Development
- Automotive & Robotics
- Embedded System Development
- Embedded Testing

## CERTIFICATES

### Emertxe Certified Embedded Professional Certificate (12/2024 - Present)

This offline course accommodates the modules which are very essential to become a **Embedded Software Engineer**.

## LANGUAGES

English

Full Professional Proficiency

Tamil

Native or Bilingual Proficiency

kannada

Elementary Proficiency

## HOBBIES

Learning Cinematography and editing

Fitness enthusiast

Content Creation

Riding Bikes