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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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