GUNA V

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OBJECTIVE

Passionate and driven student proficient in C, Embedded C and Microcontrollers. To work in an environment which encourages me to succeed and grow professionally where I can utilize my skills and knowledge appropriately

EDUCATION

B.E ECE   May 2025
SNS COLLEGE OF TECHNOLOGY
CGPA: 8.65

HSC   2019-2021
Mahatma Gandhi matric higher secondary school
88.02%

SSLC   2018-2019
Mahatma Gandhi matric higher secondary school
84.4%

INTERNSHIP

CRAPERSOFT – Embedded & IOT Developer Intern   May 2024 – Present

- Design & testing Interfacing of Sensors & Actuators to digital control systems implemented through various microcontrollers
- Working with hardware components such as sensors, actuators, and communication interfaces (SPI, I2C, UART).
- Creating, debugging, and optimizing code for microcontroller-based systems using Embedded C
- Working on various IoT platforms and developed IoT applications using microcontrollers.

Techvolt Software Pvt.Ltd – Embedded & IOT   May 2023 – June 2023

- Basic understanding of Electronics components and its working.
- Understanding the core concepts on microcontroller and its architecture.

SOFT SKILLS

- Team Work
- Leadership

TECHNICAL SKILLS

- C
- Embedded C
- Python
- **Software**: MP LAB, Keil, Arduino, Kicad, STM Cube IDE
- **Hardware:** PIC16f877a, Arduino, 8051, Raspberry pi, STM32, ESP8266
- **Communication Protocols:** UART, I2C, SPI, CAN

AREA OF INTEREST

- EMBEDDED SYSTEMS & IOT

COURSES COMPLETED

- Introduction to Embedded systems   – Coursera
- Advanced Diploma in Embedded Systems- Crapersoft (6 Months)
- Introduction to industry 4.0 and industrial internet of things – Nptel
- Embedded Software and Hardware Architecture – Coursera
- Introduction to C Programming - Prepinsta
- C Nanodegree – Prepinsta

PROJECTS

Obstacle avoidance bot
- Hardware: PIC16F877A, Motor driver, IR sensor
- Software: MPLAB IDE

Laser security alarm system
- Hardware: Photoresistor, Buzzer, Laser

Smart Farm Assistance and Plant leaf Disease Detection using AI
- Hardware: Raspberry pi, Temperature sensor, DHT 11, Relay, Water pump.

IoT based Weather Monitoring and Predicting system using LoRa and Machine Learning
- Hardware:STM32F103C8T6, DHT 11, Pressure sensor, Altitude, ESP8266
- Software: Blynk application, Firebase, Thinkspeak

PAPERS PUBLISHED

- Comparative Deep Learning Algorithm for Breast Cancer   -   NCTIT 2023
- Preceding Vehicle Detection Using IR and Thermal Camera During Winter Season - ICET 2023
- DTMF Based Bot Automation – IJNRD 2022

ACHIEVEMENTS

- Secured first place in "PROJECT EXPO" event organized by SNS College of Technology
- Secured Third place in "PROJECT EXPO" organized by NIT Pondicherry

VOLUNTEERING ACTIVITIES

- Student Volunteer in YRC
- Volunteered in a Blood donation camp
- Volunteered in "VISITING ORPHANAGE " activity organized by YRC
- Volunteered in "EYE CHECK UP "activity organized by YRC

DECLARATION

I hereby declare that all the information given above is true and correct to best of my knowledge.