

GAGGUTURI FAAZIL

Mobile: +91- 9390236566

Email: gagguturifaazil407@gmail.com

CAREER OBJECTIVE

To be a part of an organization that provides me a quality of work through challenging opportunities, meaningful career growth and professional development.

PROFESSIONAL SUMMARY

- B. Tech graduate with around 1.8 years of experience as an Embedded Software Developer in the Embedded Automotive Domain.
- Hands-on experience in C and C++ programming languages.
- Good knowledge of C++ (11 & 14 standards) & STL Concepts.
- Good knowledge of Embedded C, C++, and the Software Development Life Cycle (SDLC).
- Experienced in version control systems like Git & GitHub.
- Proficient in communication protocols such as CAN, UART, I2C, SPI.
- Hands-on experience with tools like Keil-IDE, Linux (Ubuntu).
- Good knowledge of Canoe, CANalyzer, Proteus.
- Familiarity with Linux operating systems and Networking Protocols (TCP/IP & UDP).
- Experienced in BareMetal programming and basic knowledge of UDS.
- Excellent communication, presentation and analytical skills.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Embedded C, Linux, Data Structures
- **Tools:** Keil-IDE, Proteus, Canoe, CANalyzer, Git & GitHub
- **Communication Protocols:** CAN, UART, I2C, SPI, RS-232, RS-422, RS-485
- **Microcontrollers:** LPC2148/29, Arduino Nano, NodeMCU, STM32

WORK EXPERIENCE

- **Associate Engineer** at **L&T Technology Services** (March 2024 - November 2024).
- **Embedded Software Trainee** at **Radar Technical Center India Pvt. Ltd** (March 2023 - March 2024).

PROJECTS

Project #1: Automatic Emergency Braking System Using ADAS(SCM)

Description:

Automatic Emergency Braking (AEB) systems are designed to autonomously detect potential collisions and apply the brakes to prevent or mitigate the impact and enhances safety by intervening when the driver fails to respond quickly enough or when a collision risk is deemed unavoidable.

Responsibilities:

- Analyzing the Requirement document for Specifications.
- Ensured compliance with automotive safety standards and MISRA C/C++ guidelines in the development process.
- Implemented the code using C in Linux (Ubuntu) Environment with all functionalities.
- Utilized Git and GitHub for version control for effective code management.

Project #2: IoT-Based Smart Parking Management System

Tools Used: GCC Compiler, Arduino IDE

Protocols: I2C, UART

Description:

Designed a system to reduce traffic congestion and enhance parking efficiency by utilizing real-time monitoring of parking spaces. Through IoT-enabled sensors, the system provides accurate data on available spaces, guiding drivers to free spots, optimizing parking usage, and improving overall urban mobility.

Responsibilities:

- Analyzing the Requirement document for specifications.
- Ensured compliance with MISRA C guidelines in the development process.
- Developed the code using C & Embedded C in Arduino IDE Environment with all functionalities.

Project #3: Smart Irrigation Watering System Using IOT

Tools Used: GCC Compiler, Arduino IDE, ThingSpeak

Description:

The project is to optimize water usage by monitoring soil moisture levels through IoT-enabled sensors. The system automatically adjusts irrigation based on real-time data, ensuring efficient water use, reducing wastage, and promoting sustainable agricultural practices, while providing remote access for system control and monitoring.

Responsibilities:

- Analyzing the Requirement document for specifications.
- Ensured compliance with MISRA C guidelines in the development process.
- Developed the code using C & Embedded C in Arduino IDE Environment with all functionalities.

EDUCATION QUALIFICATION

- **B. Tech** in Electrical and Electronics Engineering from MTIET(JNTUA) with **75%** in the year 2023.
- **Diploma** in Electrical and Electronics Engineering from Aries Polytechnic College (SBTET) with **78.96%** in the year 2020.
- **SSC** in Viswam High School with **7.8 CGPA** in 2017.

PERSONAL ATTRIBUTES

- Quick learning ability
- Adaptive to changes
- Leadership Qualities

PERSONAL DETAILS

Name : G Faazil

Date of Birth : 30-07-2001

Gender : Male

Languages Known: English, Telugu, Urdu and Hindi