

SRINIVAS GOWDA D

Embedded Software Engineer

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Education:

Dr. Ambedkar Institute of Technology, Bangalore, India

2019-2023

BE in Electronics & Instrumentation Engineering

8.3 CGPA

Technical Skills:

Programming Languages: C/C++, Python (Intermediate), Embedded C.

Embedded Systems: Microcontroller(PIC16F877a, ATmega328p), FreeRTOS ,
ADC,UART, SPI,I2C,CAN,UDS & Various Sensors.

Tools: VS Code, MP LABX IDE,KEIL, GIT, JIRA

Experience:

Tata Elxsi, Bangalore

March 2024-Present

- Experience in Embedded C,C++ Coding as per MISRA standards.
- Experience in Firmware Programming for 8 bit,16 bit and 32 bit Microcontroller.
- Experience in Communication peripherals like ADC,SPI,UART,I2C,CAN,etc.
- Develop modular Embedded Code to port into different projects.
- Design and develop HLD and LLD for the given Functional Requirements.

Internship:

Emertxe Technologies, Bangalore

March 2023-May2023

- Experience in working with C programming and its applications towards embedded systems.
- Experience in C++ programming with OOPs Concepts.
- Experience in Interfacing of LDR,LED,Serial Tank Interface and Integration of Blynk Application with IOT.

Projects:

- **Gear Shift Indicator with Adaptive Brightness Control.**
Designed HLD & LLD for the given Functional Requirements. Developed a module for I2C,UART .
- **Automatic Car Wiper and Washer**
Designed HLD & LLD for the given Functional Requirements. .Developed a module for DIO,PWM, ADC, UART .