Gowtham Balluru

Contact Details :
Email :gowthamballuru7604@gmail.com
Phone :+91-6305450268

Career Objective :

To Secure a responsible career opportunity to utilize my skills with focused and quick learning abilities and enhancing my knowledge in different domains while making a significant contribution to the success of the company

Executive Summary:

- Completed Advanced Diploma in Embedded Systems at Radar Technical Center India Private Limited, Bangalore.
- Having hands-on experience in C Language, Embedded C, Linux, Data structures and RTOS.
- Good exposure to Device drivers and Data Converters development with various protocols such as RS-232, RS-422, RS-485, I2C, SPI, CAN.
- Basic knowledge in Bash scripting and Linux commands

Education :

- Bachelor of Technology(B.Tech) | Electronics and Communication Engineering
  Mother Theresa Institute of Engineering and Technology | 2019-2023 | CGPA: 6,8
- Intermediate | MPC
  Narayana Junior College | 2017-2019 | CGPA: 8.0
- Secondary School Certificate (SSC)
  Sri Viswam Public School | 2016-2017 | CGPA : 8.3

Skills:

Programming Languages	: C & Data structures, Python, Embedded C.
Scripting	:Bash scripting
Operating system	: Linux
RTOS	: FreeRTOS
Tools Used	: Keil 4.0, Philips flash Utility, Com-debug,
Microcontrollers	: LPC2129, LPC2148.
Protocols Used	: RS-232, RS-422, RS-485, CAN, SPI and I2C
Device Drivers	: UART, I2C, SPI and CAN

Project :

Project Name : Iot based weather monitoring system

Description :

- Designed a cost-effective weather monitoring system utilizing microcontroller and wireless technology. Developed a system that effectively detects the presence of multiple gases including CO2, CH4, NH3, along with humidity and temperature parameters.
- Utilized Arduino IDE for software requirements
- Utilized Arduino Nano, Node MCU, LCD and sensors for hardware
- Implemented protocols such as UART and I2C to ensure seamless communication within the system

---

The below modules/Utilities have developed for both LPC2129 & LPC2148 :

- GPIO's configuration for LED blinking, Buzzer and Motor.
- External interrupt generation with press button control.
- Timer Implementation.
- LCD display implementation.

Declaration:

I hereby declare that the details above are correct and true to the best of my knowledge.

Place :
Date:

(Gowtham B)