**Rupa sesha varma . Yenugadhati**

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Objective:

Interested in learning new technology and continuously update myself according to

new innovations in embedded field and become effective and efficient embedded system

developer and serve the needs of the institute I work for.

Work Experience:

Working as Software Engineer-I in MIRAFRA Software Technologies PVT LTD, Hyderabad

since Aug, 2021 to till date.

Technical Summary:

* Strong in Embedded C language and Data Structure
* Good in Python programming
* Good knowledge in Embedded protocols like GPIO, I2C, SPI and UART
* Understanding of Linux System Programming and IPC mechanisms
* Knowledge on Linux Commands
* Good understanding of build integration
* Git, Gerrit, repo and Jenkins

Qualification:

* Pursuing Certified industrial Embedded Systems + IOT course in Kernel Masters.
* B.Tech (ECE) in Usharama college with an aggregate of 63% in the year of 2020.
* Intermediate in Narayana with 93% in the year of 2016.
* 10th in Sravanthi high school with 9.2 CGPA in the year of 2014.

Experience:

**Project -1: Linux Integration (Qualcomm India Pvt Ltd Hyderabad Sep-2021 to feb-2022)**

Linux Integration team is responsible for testing and automation of the Linux code for various chipsets and it also provides different features of build automation for developers.

My responsibility is to handle the preflight tickets and communicate with various teams to get their feature requirements. Preflight is generally a web-based application which raises tickets whenever there is build failure occurs and suggest the different possible changes that might be caused the failures and my responsibility is to debug further from it to find out the actual root cause.

**Tools used:** JIRA, GIT, GERRIT.

Project :

**Project – 2:** **Smart weather monitoring system with IOT**

* **Hardware Platform:** Rayan Mini Board with STM32F401RBT6 microcontroller
* **Development Tools:** Keil, STM32Cube
* **Platform:** Windows
* **Description:**

Developed a System for monitoring the atmospheric temperature using LM35 temperature sensor at a particular place and make the temperature information visible anywhere in the world by sending the temperature data on to the cloud server using ESP8266 Wi-Fi module and LCD display, for every 5 seconds temperature value is updating.

**Role /Responsibility:**

* Understand the Datasheets and Schematics of STM32F series microcontroller
* Interface the LCD, ADC and ESP8266 Wi-Fi module with controller
* Enable the UART Receiver Interrupt
* Update the temperature data in Server and LCD Display.

Declaration:

I hereby declare that the above written information is true to the best of my knowledge and belief.

**Place: Hyderabad Rupa Sesha Varma**