

BELLI DIVYA

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Location: Suryapet, Telangana, India

CAREER OBJECTIVE

To secure a challenging position in a reputable organization where I can apply my technical skills and contribute to the growth of the company while continuously learning and growing professionally.

PROFESSIONAL EXPERIENCE

Embedded Systems Engineer - Raayan Systems, Hyderabad

June 2023 - Present

- Worked on embedded system design and firmware development using STM32 microcontrollers.
- Developed and debugged C programs for real-time applications.
- Hands-on experience with UART, I2C, SPI protocols and STM32CubeMX, Keil tools.
- Responsible for writing modular code for sensor interfacing, task scheduling, and data logging.
- Used ST-Link for debugging and testing embedded code on target hardware.
- Collaborated with hardware teams for product integration and testing.
- Worked in a Linux environment for scripting and automation tasks using Shell scripting.

TECHNICAL SKILLS

Languages: C, Embedded C, LSP, Shell Scripting, Data Structures

Protocols: UART, I2C, SPI

Microcontrollers: STM32F401RBT6 (ARM Cortex-M4)

Tools: STM32CubeMX, Keil uVision, ST-Link

Operating Systems: Linux

Version Control: Git (basic)

PROJECT EXPERIENCE

Smart Weather Monitoring System (During Training at Kernel Masters)

Microcontroller: STM32F401RBT6

Tools Used: STM32CubeMX, Keil

Description: Designed a system to monitor temperature using LM35 sensor. Data displayed on 16x2 LCD with real-time clock (DS1307) updates. Data uploaded to cloud via ESP8266 Wi-Fi when available. Offline data storage implemented using EEPROM. Divided project into 5 RTOS-based tasks for efficient execution.

Responsibilities: Interpreted datasheets and reference manuals.

Developed embedded firmware for sensor communication and task scheduling.

TECHNICAL TRAINING

Completed Embedded Systems Training at Kernel Masters, Hyderabad.

EDUCATION

B.Tech in Electrical & Electronics Engineering | Vaagdevi Engineering College | 2023 | 6.9 CGPA

Diploma in Electrical & Electronics Engineering | Govt Polytechnic, Yadagirigutta | 2020 | 79%- SSC |

KGBV, Noothankal | 2017 | 77%

STRENGTHS

- Quick Learner
- Self-Motivated
- Dedicated and Hardworking

Place: Suryapet

(B. Divya)