

NAVYA

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Objective

To work in a firm with professional work driven environment where I can utilize my knowledge, skills which would enable me as fresh graduate to grow while fulfilling organizational goals.

Professional Summery

- Overall 1 year of IT Software development experience in Embedded C and Linux for 5G test bed in IIT-Hyderabad.
- Strong knowledge on Porting FreeRTOS with client server model over Ethernet on ARM STM32F4.
- Having knowledge in Embedded C, basics in Embedded Linux OS based Driver development using C and GNU ARM tool chain environments.
- Work experience 5G Test bed test application writing with multiple 32-bit MCUs.
- Involved 5G test bed application end-to-end-product development.
- Experience with multiplatform development including Linux, Windows
- Good perspective on converting functional specifications into technical design and development
- Good Communication, Coordination & Team Skills
- Good skills development of embedded products based on 8051 micro controllers, testing embedded applications.

CERTIFICATIONS: VECTOR INDIA, Hyderabad

Training Period: 6-months.

Course: Embedded systems.

Major Modules:

- C, C++
- 8051 (UART, I2C and SPI)
- Linux Modules

Technical Summary

Programming Languages: C, C++

Operating systems : Windows, Linux

IDE : Keil uVision and SW4STM32 (AC6)Eclipse IDE.

Hardware : μ C 8051, μ 8086 , ARM(STM32F4).0

Protocol : RS232, SPI, LWM2M.

RTOS : FreeRTOS

Educational Profile:

- **Bachelor of Technology (Electronics & Communication)** in 2018 Khammam institute of technology and science, JNTUH Aggregate of 72.95%.
- **Higher Secondary Certificate** Board of Intermediate Education, A.P. in 2014 with 86%.
- **SSC** from Secondary school board, A.P in the year 2012 with 88%.

INDUSTRIAL TOUR: SRIHARIKOTA

DESCRIPTION: Satishdhwani space center or Sri-Harikota is a rocket launch center operated by Indian space research organization (ISRO). It has two launch pads (PSLV, GSLV).

Project# 1

Duration: 1-Year

Project Name : Application development of 5G test bed with STM32F4 FreeRTOS+LWIP+LWM2M.

Environment : eclipse IDE

Tools : GNU C compiler

Team size : 3

Duration : Nov 2019 to till date

Role : Developer

Description:

The 5G test bed application development used to communicate client server model on STM32F4+FreeRTOS_lwip_lwm2m provide reliable communication between the VOIP clients. A system with Linux installed act as a server and all STM32F4 acts like clients . Configurations need to done To establish connection between the client system and also configure server details..

Responsibilities

- Analyzing the STM32F4 data sheet for proper functionality.
- Configuring the Software Configuration files to compile with
- FreeRTOS development environment and integrated with different stack protocols
- Preparing Documentation as per industry standards

Project#2

Project Title : Optimizing data forwarding from body area network in the presence of body shadowing with wireless technology.

Client Name : KITS

Tools : Embedded C

Team size : 5

Duration : Sep-2017 to May 2018

Role : Team Leader

Description:

In this project we are concerned data forwarding from one to one communication with the help of Bluetooth or zig-bee in the presence wireless body area network.

Responsibilities

- Study of hardware &Analyzing the datasheets for proper functionality.
- Debugging Source code & Modify As per client requirement.
- Testing the total Functionality of the application manually.
- Preparing Documentation as per industry standards.

Soft skills:

- Time management ability
- Teamwork
- Good communication
- Hard worker

PERSONAL DETAILS:

Father name : Srinivasa Reddy.
Address : 1-4, Madhapuram, Khammam (d), TS-507170
Languages Known : English and Telugu.
Nationality : Indian
Hobbies : listening to melody songs, cooking, playing shuttle.

PLACE:

DATE:

SIGNATURE