

RATHOD ARVIND BALAJI

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Objective

To establish a career in a company where I may utilize professional skills and knowledge to be an effective embedded software developer and inspiration to those around me.

Summery

- I have 1 Years of experience from **ELEGANT EMBEDDED SOLUTIONS PVT LTD as Firmware Engineer.**
- Hands on experience on embedded c.
- Experience on STM32F401RBT6 micro controller.
- Experience on hardware debugging using ST link V2 Debugger.
- Experience on communication protocols.
- Experience on Linux system programming (LSP).
- Experience on shell scripting.
- Experience on Free RTOS.
- Experience on Debugging Tools GDB.
- Currently Working at **Schneider Electrical Pvt Ltd as Testing Engineer**
- Experience on Manually Testing PCB To Drives Testing
- Experience on Components Debugging

Skill Set

Programming Language: C, Shell Scripting,

Operating system: Windows, Linux.

Communication Protocol: UART, I2C, SPI,CAN.

Software Tools: STM32 Cube IDE, STM32 Cubemx, ARM Keil, GIT HUB,

Soft Skills: Quick learner, Communication, Leadership, Work ethic, Hardworking, Dedicated.

Education Qualification

Kernel Masters, Hyderabad | 2023

6 months training in Kernel Masters

Dr.SMCE Bangalore (VTU Belagavi) | 2019 – 2023

B.E (ECE) | CGPA – 7.5

Iqra independent PU college Aurad(B),dist Bidar-585326 | 2017 – 2019

PUC (PCMB) | 60%

Pratibha devi high school shilavani boarder tanda Degaloor |2017

SSC | 75%

Projects

- **IOT Based Smart Weather Monitoring System**

Hardware: STM32F401RBT6, ESP8266, LM35, 16x2 LCD.

Development Platform: STM Cube IDE, STM Cube MX, Dock light, Serial Debug Assistant, KEIL micro vision.

Description: Collecting data from LM35 sensors and displaying on 16x2 LCD and uploading data to Cloud Server.

- **Smart Voting Machine**

Description :

This is a smart voting machine project designed for four parties. Voters can cast their vote only once. The system is controlled by a Polling Master. The results can only be accessed by authorized personnel using a password on a PC. Data is transmitted to the PC via UART for updates.

- **Password Security gate opening system**

Description:

The aim of the project is to unlock the door using a password. The password can also be changed. When changing the password, the system first asks for the old password, then prompts for the new password and password confirmation. After entering the new password, the user presses the '#' key to update the password

Declaration

I hereby declare all the above mentioned details are true and best of my knowledge.

RATHOD ARVIND BALAJI