**Srividhya Kirni Mobile (P): 91-9515840266.  
E-mail: srividhya.kirni@gmail.com**



**Career Objective:**

Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company.

**Professional Summary:**

* **2 years** of experience in **Embedded Development**.
* Having practical exposure on **CAN, UART, SPI** and **I2C**.
* Experienced in Application/Firmware development in **‘C’** for **8, 16, 32- bit Microcontrollers** using IDEs like **KEIL, IAR, S32design studio, EB tresos, PE Micro debugger, Logic Analyzer, Canalyzer and Kvaser.**

**Professional Experience:**

* Worked as a **Software Engineer** in **Navtech Electronics**, Hyderabad from Aug 2022 to November 2023.
* Worked as a **Trainee** **Software Engineer** in **People Tech,** Hyderabad from Dec 2021 to July 2022.

**Strengths:**

* Ability to take up the most challenging job in the latest technologies.
* Capable of learning new technologies and adapting to new environments.

**Academic Qualification:**

* **Bachelor of Technology** (**Electronics and Communication**) from **Jayamukhi Institute of Technologies (JNTUH)** in 2020 with 83%.
* Intermediate in SR
* **Embedded System** Training from **Vector Institute**, Hyderabad.

**Technical Skills:**

Programming Languages : Embedded C.

Controllers : 8051, STM32, S32K148, S32K344.

Communication Protocols : CAN, UART, I2C, SPI.

IDEs’ : KEIL, IAR, S32design studio Visual studio

Debuggers : PE-Micro.

Project Management Software : JIRA.

S/W Configuration Mgmt Tool : Bit bucket.

Simulation Tool : Logic analyzer, Canalyzer, Kvaser.

**Projects Handled:**

**Project 1:**

**Title : Battery Management System.**

**Responsible for : Support Engineer.**

**IDE used : IAR.**

**Project Brief Description:**

E-bikes are powered by a rechargeable lithium-ion battery, driving an electric motor that propels the bike. These bikes are valued for their user-friendliness, cost-effectiveness, and affordability.

**Roles & Responsibility:**

* Supported to project.
* Integrating sensors on STM32.
* Validated communication protocols on STM32.

**Project 1:**

**Title : Battery Management System.**

**Responsible for : Firmware development.**

**IDE used : IAR.**

**Project Brief Description:**

| Battery Management System ensures that the batteries operate safely, efficiently, and reliably by monitoring and controlling various parameters, including balancing the cells, temperature control, state of charge, and more. |
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**Roles & Responsibility:**

* DBC Creation**.**
* Unit testing**.**
* Module testing.
* Debugging.

**Project 2:**

**Title : Air suspension using pneumatics system.**

**Responsible for : Firmware development.**

**IDE used : S32 Design Document.**

**Project Brief Description:**

The main theme of the project is to regulate vehicle pneumatics using solenoid valves while navigating through rough and uneven roads.

**Roles & Responsibility:**

* Debugging and Bug fixing.
* Documentation.
* Unit testing.
* Integration testing.

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**Personal Details:**

Spouse : Nagaraju.

Father name : Shiva Shankar.

Mother name : Anjamma.

Date of birth : 24th March 1998.

Gender : Female.

Nationality : Indian.

Marital Status : Married.

Languages : English, Telugu.

**Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge.

Place:

Date: (Srividhya K)