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| Candidate Name | G. Tejadeep |
| Experience | 1+ year |
| Profile Highlights | C, C++, Linux, Python, GIT, Protocols(CAN, I2C, SPI), RTOS |

**Career Objective:**

To obtain a position of responsibilities that utilizes my skills and experience and keen to work in an environment where I can enrich my knowledge.

**Experience Summary:**

* Hands on experience in C, C++**,** Embedded\_Cand Linux system programming
* Hands on experience in UART, I2C, SPI**,** and CANProtocols
* Developed Stack Application by Using Class Templates
* Knowledge on Linux internals and RTOS
* Knowledge on Shell Scripting
* Knowledge on TCP/IP concepts
* Built Qualcomm-MSM8909/8905 source code and flashed it on LYF Mobile

using QFLASH tool

* Hands on experience on using the Configuration Management tools like GIT
* Knowledge on cross compilation
* Ability to learn things quickly, adjust to people, good team player, hard working with ambitious and realistic attitude.

**Professional Experience:**

* Working as Embedded Engineer at VotaryTechfrom June, 2018 to till date.

**Technical Skills:**

• Domain:Developer

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| • | Programming Languages | C, Embeded C, Data Structures, C++, Python basics |
| • | Operating System | Linux OS, Windows, RTOS |
| • | Hardware | 8051 board, CC IMX6Q SBC, RaspberryPi3 |
| • | Tools | Gcc, Keil\_verion\_4, GIT, QFIL, BUSMASTER, Jenkins, Qt |
|  | Protocols | UART, I2C, SPI, CAN |
|  | Bug Tracking Tool | Mantis |
|  | Debugger | GDB tool |

**Educational Qualifications:**

* Certificated as Embedded Engineer at Vector India.
* BTECH (Electrical and Electronics) from 2014 to 2018, Annamacharya Institute of Technology and Sciences, Rajampet.

**Projects Summary:**

**Project #1: INFOTAINMENT**

**Company** : Votarytech

**Duration** : Started from February and going on.

**Hardware** : CCI.MX6 Quad SBC(ARM Cortex A9 Processor), MCP2515 CAN controller, RaspberryPi3, MPU6050 sensor, Dht11 sensor.

**Software** : YOCTO Platform in CC I.MX6 Q, Raspbian OS in Pi3, BusMaster tool

**Description** : The Project describes about the Information related to all internal peripherals and the Entertainments related to audio,video. This combined together called Infotainment which is used in automobiles. In this we can control and monitor all peripheral through Dashboard and also we can get the information related to the internal peripharals.Right now in our dashboard three pages are there in first page it is about information details and second page is Entertainment page which contains media like audio and vedio and in third page is controller page, from this page we can control and operate peripherals like head and rear lamps, doors, temperature etc.

**Roles & Responsibilities**:

* By using CAN protocol, can control all peripherals in vehicle and make communication between ECUs(nodes)
* Installed CAN driver to IMX.6 SBC and from program we call all the API’s from our code.
* Developed source code for both nodes ie., IMX6 SBC and RPI3 with MCP2515
* Varying DC motor with PWM is done through CAN ie., for sending node button is fixed and receiving node DC Motor, they each communicate through CAN bus
* Developed to get Dht11 Sensor values to dashboard through CAN bus from MCU’s
* Developed source code for MPU6050 sensor to communicate raspberrypi3
* Knowledge on Busmaster tool which is used to monitor the communication of ECU’s

**Project #2: Board Diagnostics for 8051 Development Board**

**Company** : Vector India

**Duration** : From June, 2018 to January 2019

**Technologies** : Windows XP , Keil Microvision 4 IDE tool, Embedded-C language, 8051 Board

**Description** : To check each peripheral in 8051 board working or not, peripherals likeUART, LCD display, I2C, SPI, Seven Segment Display, DC Motor, LED Lights etc. Using UART protocal we can connect PC to 8051 board and analyse working of each peripheral in our PC. Connection between PC and 8051 board is done by through DB9 cable, we dump our code to uart in 8051 board from uart only we read the messeges to PC.

**Roles & Responsibilities:**

* Interfaced 8051 board Hardware with all required components
* Devoleped code for the project and dumped the code from hyperlink in windows through the DB9 cable to Uart in 8051 board
* Embedded C language is used to develop the code
* Verified all test cases to the developed code and moniter the test cases in display.

**Personal Information:**

Father's name : G.Raghuramaiah

Date of birth : 31st May 1996.

Gender : Male

Languages known : English, Telugu, Hindi

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mobile no : 9966577815

**Declaration:**

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

Date: Signature

Place: (Tejadeep)