**RESUME**

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**Embedded Software Engineer Mobile No: +91-9494222664**

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**EDUCATION**

* Bachelor of Technology in Electrical and Electronics Engineering -2013, JNTUA, Anantapure, AP.

**SUMMARY**

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| Years of experience | 3.6years |
| Domain | GPRS and GPS applications |
| Work areas | * knowledge on Diagnostic services request/ responses * Good knowledge on Dem concepts for the DTC handling and configuration part. * Good understanding on CAN protocol, message formats. * Good understanding on ESP32 Wifi Module. * Experience on SPI, I2C and UART protocol development with different family based micro controllers. * Experience in understanding of controller data sheets and registers for driver development. * Experience on Quectel M66, MC60 GSM Module and application implementation with AT commands. * Experience in interfacing the GPS Modules Quectel L89 and to the microcontroller. * Experience on PIC and STM32 microcontrollers. * Very good C programming skills for embedded system applications * Good debugging skills with Docklight,Qcom,USRTCP. |

**TOOLS & SKILLS**

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| Tools | Keil Micro vision. PICKit3, Docklight, USRTCP,Proteus,Source Insight and Docklight. |
| Hardware | Quectel M66,MC60,L89 STM and PIC. |
| Standards | AIS140. |
| Protocols | CAN, SPI, I2C, UART. |
| Programming Languages/Scripts | C and Embedded C. |
| IDE / Cross Compilers | MPLABX IDE, Keil Complier, XC8 compiler, Source Insight. |

**PROJECTS OVERVIEW**

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| **March 2020 – Till date** | **Hand Sanitizer and Thermometer software Engineer at VoltyIot Solution Pvt Ltd, Hyderabad, India**  This project is developed to provide to touch less hand sanitizer and touch less Thermometer.   * Developing firmware. * Testing the Unit. |
| **June 2019 to Feb 2020** | **EV Charge Station Embedded software Engineer at VoltyIot Solution Pvt Ltd, Hyderabad, India**  This project is developed to provide to charge the Electric Vehicle, this is a private charge station.   * Developing firmware. * Reading Voltage and Current, and Calculating load watt, using this we will charge how much units require for vehicle based customer requirement * Vehicle Charge ON and OFF via App * Testing the Unit. |
| **Nov 2018 to June 2019** | **AIS140 (Automotive Industry Standard) TRACKER**  **Embedded Software Engineer, VoltyIot Solutions Pvt Ltd, Hyderabad, India**  **AIS140** Tracker is a space-based satellite navigation system providing location information on Earth. It helps users to determine their location, speed, date and time everywhere in the world.   * This device shall be capable for operating in L and/or S band and include support for NAVIC/IRNSS (Indian Regional Navigation Satellite System). * Taking PVT (position velocity and time) data. * SOS button integration to the tracker. * Different types of alerts will generate. * 4 digital inputs. * 2 Analogue inputs. * RS232 communication/NFC reader integration to the AIS140 for school buses. * The software is compiled and build bin file and also flash using the Qflash V4.5. * Involving in daily meeting with customer for the requirements clarification and status for the current project activities |
| **April 2018 to**  **Nov 2018** | **OBD TRACKER**  **Embedded Software Engineer, VoltyIot Solutions Pvt Ltd, Hyderabad, India**  OBD GPS trackers plug into the onboard diagnostic (OBD) port of a light or medium duty vehicle. Usually, an OBD GPS tracker draws power from the OBD port itself and contains a built-in antenna along with a GPS module in order to receive the GPS signal. In addition, OBD trackers communicate with the different vehicle subsystems for receiving vehicle diagnostic and fuel consumption related data. A cellular OBD GPS tracker directly communicates with the cell tower in order to send the location and other vehicle performance data to the server over cellular wireless network. Users can view the information using standalone software or web browser from a desktop/laptop computer or using smartphone apps |
| **Oct 2017 to**  **April 2018** | **VTS (Vehicle Tracking System) TRACKER**  **Embedded Software Engineer, VoltyIot Solutions Pvt Ltd, Hyderabad, India**  VTS Tracker is a space-based satellite navigation system providing location information on Earth. It helps users to determine their location, speed, date and time everywhere in the world. This Tracker is developed with Quectel M66 Open CPU. TCP and MQTT   * Developing tracking information of vehicle. * Developing vehicle engine ON/OFF status by using digital input. * Taking latitude and longitude from the GPS * Giving accurate speed and odometer from the GPS * Vehicle engine ON/OFF control by using app and SMS |
| **Feb 2017 – Oct 2017** | **UHF RFID Readers for vehicle parking Yards Embedded Software Engineer at VoltyIot Solution Pvt Ltd, Hyderabad, India**  This project is RFID Based vehicle entering and leaving monitoring system in the Parking yard, this Reader will track when the vehicle entered into the gate and also when the vehicle going out to the gate. Communication through mqtt protocol.   * Developing software by using M66 GSM Modem. * RFID Reader Configuration for specific frequency band * RFID Antenna Development and testing * Supporting for installing RFID Readers * Requirements for integrating RFID Readers. |