Vandana H Gajera

Bachelor's in Electronics and Communications
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Professional Summary

Result-oriented Embedded Software Engineer with experience of two years in analysis, development and implementation of Embedded Software Systems. Adaptable to learn new technologies, tools and systems relevant to my skills and willing to enhance my knowledge about new and emerging trends in the IoT/Embedded domain.

Technical Skills

- Programming experience in C, C++ on Linux Platform and Embedded C
- Understanding of Linux System Programming and OS concepts
- Development Boards: 8051, ARM7
- Operating System: Windows, Ubuntu Linux
- Communication Protocols: UART, I2C, SPI
- Experience in 4g Modem log Analysis of LTE protocol stack testing and implementation

Employment History | Trainings

- **Altran Technologies India Pvt. Ltd. -** Software Developer **Bangalore, IN**

->Intel Technologies India Pvt. Ltd. - Client of Altran Technologies Dec 2019 – Feb 2021

- **Vector India Pvt. Ltd** **Bangalore, IN**

Embedded Software Trainee Oct 2018 – Dec 2019

Education

- **B.E. [Electronics and Communications] -** Dr. Subhash Technical Campus affiliated to Gujarat Technological University, with aggregate 7.54(CGPA) 2015 - 2018
- **D.E. [Electronics and Communications] -** Noble Group of Institution affiliated to Gujarat Technological University, with aggregate 7.88(CGPA) 2012 - 2015

Projects

- **Altran –** Protocol Stack Back Office (PSBO)

->Role - Goal of the PSBO team is to Analysis of Mobile station modem logs provided from Live environment, Functional test, 3GPP GCF test, SIT and MTBF stress testing and to identify the issue in protocol stack L1, L2, L3 level or module which needs a fix

->Responsibility - Provide analyses on protocol stack functional issues such as MO and MT SMS, PLMN selection and attach, cell search, cell selection and reselection, SIM and ESIM, SIM hot swap, Crash and test issues in 2G/3G/4G domain from PS and FW.

->Windows OS, System Trace Tool

- **Vector –** RFID Based Tall Collection System

->The system allows the vehicle drivers to pass the toll tax booths without stopping at the toll booths. The toll amount is deducted from the RFID card. This RFID card is rechargeable, and the account is stored on the records.

->Windows OS, Keil compiler, Embedded C, UART, I2C, SPI, AT89S52(8051) family microcontroller

- **B.E. –** Mobile Agent Based Intelligent Power Distribution Control System

->This project was aimed to detect power theft between substation and node. If any power theft will occur the distribution is stopped, and message is transferred to the authorized person.

->Windows OS, Arduino IDE, Arduino Uno

- **B.E. –** Arduino Based Distance Measurement and Alcohol Detector
- **D.E. –** Gesture Controlled Wheelchair

Personal Dossier

- **Father's Name** Late Haribhai K Gajera
- **Mother's Name** Prabhaben H Gajera
- **Permanent Address** #22, AB fortune ladies' PG, MS elite, Near to Kundanhalli gate Big Bazar, ITPL main road, BEML layout, Brooke field, Bangalore - 560037
- **Date of Birth** 19th November, 1994
- **Languages Known** Gujarati, Hindi and English
- **Interest & Hobbies** Reading about emerging technologies, Pencil Sketching, programming concepts and languages, Literature, Badminton, Solve coding related questions

Declaration

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

Place: Bangalore
Date:

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