



Erukulla Chaithanya

Embedded Engineer

Profile Summary

5 years experience as Embedded Engineer

Carrer Objective

To be a part of a professionally managed company where I can leverage my skills and knowledge in embedded systems aiming for excellence and contributing to the growth and development of the organization

Education

B.Tech (Electronics and Communication Engineering)

81.77% aggregate

Malla Reddy Institute of Engineering and Technology, JNTU, Hyderabad (T.S) - 2015

Intermediate (MPC)

89.6% aggregate

Gowtham Junior College, Hyderabad - 2011

SSC

85% aggregate

Model Mission High School, Majeedpur, Secunderabad - 2009

Experience

Tata Consultancy Services Limited

IT Analyst (Embedded Systems)

Oct 14, 2024 – Present

Projects:

- NextGen Tech software services
 - Tools: Eclipse IDE, perforce, imager
 - Responsibilities: FMEA, static analysis (MISRA and program style guide rules check), code flashing in ECU, Linux OS flashing and booting on MCU

L&T Technology Services Limited

Engineer (Embedded Systems)

Jul 5, 2021 – Sep 25, 2024

Projects:

- Ford BCM GEN3
 - Tools: Eclipse, Jira
 - Responsibilities: Automation testing in AUTOSAR for 32-bit ECU, PR Analysis, Embedded C unit testing, SIL, MISRA rules check, code review, program style guide rules check



29 September 1993



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Skills

- MS Office
- Languages:
 - Embedded C
 - Python
 - Linux bash shell script
- Interfaces
 - UART
 - SPI
 - I2C
 - CAN
 - IoT
- Platforms:
 - Windows
 - Linux
- Tools:
 - Eclipse
 - Candela Studio
 - Gadget
 - XCOM
 - Sesamm
 - Arduino IDE
 - MPLAB
 - Matlab Simulink
 - Code composer studio

- Imager
- Visual studio
- JIRA
- Keil
- Proteus
- Technologies
 - Automation
 - UDS
 - Unit testing
 - SIL
 - ECU
 - AUTOSAR
 - White box testing
 - Microcontrollers
 - WiFi
 - Bluetooth
 - Sensors
 - Motors
 - Camera module
 - RFID module
 - GSM
 - GPS
 - MBD
 - Low level device driver development
 - I/O modules
 - Firmware
 - MISRA
 - Code review
 - Style guide
 - piTest framework
 - Regression testing
 - FMEA
 - Bridge and gateway
 - Free RTOS

- Truck Automation
 - Tools: Matlab Simulink, Visual Studio, Eclipse, Candela Studio, piTest framework, Gadget, XCOM, Jira, Jenkins suite, ECU, Sesamm
 - Responsibilities: Automation for 32-bit ECU, Python unit testing, SIL, MBD, program flashing on ECU, UDS, MISRA and style guide rules check, regression test, code review, FMEA, code coverage, bridge and gateway

Trylogic Soft Solutions AP Pvt Ltd

Associate Engineer (Embedded Systems)

Mar 8, 2019 – May 19, 2020

Projects:

- ATmega328 based projects:
 - An IoT based online water quality monitoring and pipeline leakage detection
 - Tools: Arduino IDE
 - Protocols: UART, I2C
 - Responsibilities: Developed firmware ie., developed embedded C code, assembled I/O components and interfaced IoT cloud platform
 - SCARA robot for cocktail dispensing
 - Tools: Arduino IDE
 - Protocols: UART
 - Responsibilities: Developed firmware ie., developed embedded C code for peristaltic pump and assembled I/O components
- PIC based projects:
 - Coin based mobile charging system
 - Floor cleaning robot
 - Tools: MPLAB IDE
 - Protocols: UART
 - Responsibilities: Developed firmware ie., developed embedded C code and assembled I/O components

Datapoint Info Solutions

Embedded Developer

Nov 21, 2018 – Mar 7, 2019

Projects:

- AT89S52 based projects:
 - Coin based mobile charging system
 - Design of coal mine ventilator intelligent monitoring system
 - Fire fighting robot
 - Tools: Keil IDE
 - Protocols: UART
 - Responsibilities: Firmware development ie., developed embedded C code and assembled I/O components

Personal Details

- Male
- Languages known
 - English
 - Hindi
 - Telugu

Declaration

I do hereby declare that the above information stated are true, correct and complete to the best of my belief and knowledge.

- Erukulla Chaithanya