Contact

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agrahari-346302a3 (LinkedIn)

Top Skills

Embedded Systems
Embedded C
Project Management

Languages

English
Hindi

Honors-Awards

Awarded Certificate Of Excellence
and "Young Innovator Award"

Won 2nd prize in Research Initiative
for Students of Engineering (RISE
2016)

Awarded Certification of participation
for top 20 out of 300 projects

Awarded Certification of participation
for top 20 out of 126 projects

Won 1st prize in Power Parliament

Patents

Rash Driving Monitoring System

Ayush Agrahari
Embedded Software Engineer
Hyderabad

Summary

Electronics passionate and Embedded System Designing hobbyist.
His professional journey as the Embedded Software Engineer
includes execution ofcomplete embedded software development
lifecycle. Which covers Embedded C Programming, Linux
System Programming, Device Driver Programming, Software
Design,Requirement analysis, Debugging and Project Monitoring.
Having worked with a team of 3-8 members & prefers to be more
communicative and collaborative to find the common ground in
divergences and to find fresh alternatives to solve the problem at
hand.

Experience

Qualcomm
Embedded Software Engineer
June 2021 - Present (1 month)
Hyderabad, Telangana, India

Embedded Security Engineer

Tata Elxsi
Embedded Linux Engineer
March 2021 - June 2021 (4 months)
Bengaluru, Karnataka, India

Embedded Linux | Networking | Device Driver | Linux Internals

Danfoss Power Solutions
Embedded Software Engineer -SVS
August 2019 - January 2021 (1 year 6 months)
Pune

• Firmware development using Embedded C

• RTOS task implementations and Memory Management

• Development of Bootloader and Application based on Automotive
Diagnostics Protocol : UDS,

KWP2000, J1939

• Enterprise Architect for UML Designing of Sequential and Activity Diagram

• Vector Cast for unit testing

• Static analysis of code through LDRA and LINT tool

• Development of different services for clients as CLAAS, CNHi and FENDT (such as Security,

Live Data, etc.)

• Development Expertise : Systematized Project structuring & Customized MakeFile for the Build

system.

• Create readable optimized code with MISRA compliance.

• Manual debugging based upon code flow understanding and debugging using J-Link JTAG.

• Agile workflow for the development of project.

• Using VB macros for setting precondition of code in excel

• Experience in communication protocol(CAN, SPI and I2C)

• Experience in version controlling repository of developed code on GIT and SVN .

Halonix Technologies Pvt. Limited
Intern
June 2017 - July 2017 (2 months)
Haridwar, Uttarakhand, India

• IOT based control system for monitoring power system of industry.

• Designing of PCB

• Designing of circuitary for power management

NASA - National Aeronautics and Space Administration
CANSAT - Team Astral
August 2016 - April 2017 (9 months)
Dehra Dun Area, India

Electronics Senior Team member for Team Astral, UPES. Worked on Communication Data Handling and Sensor Sub System section .We were placed at 1st position globally.

Organized By: AAS,AIAA, NASA-JPL, NASA-GSFC, Naval Research Laboratory and Ball Aerospace.

Texas Instruments
Summer Internship Program on Micro-controller based Embedded System Designing
June 2016 - July 2016 (2 months)

The course involved study of micro-controller architecture, interfacing with sensor, interpretation of data and PCB designing.
The final objective was to develop an embedded system design system which was successfully achieved.

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Education

Centre for Development of Advanced Computing
PG-DESD, Embedded System Designing · (2019 - 2019)

University of Petroleum and Energy Studies
Bachelor of Technology (BTech), Electronics Engineering · (2014 - 2018)

Little Flower School ,Gorakhpur
Schooling, Science · (2001 - 2013)