

CV

Hari Krishna Muthyam

Software Developer



Profile

I am a software engineer with around 3 years of experience in automotive domain, embedded software development and testing. My key skills are Embedded C programming and Linux device driver. I have experience in development and integration of software components (SWC's) on Android and Linux platforms, Vehicle interface communication. I also have exposure on ADAS computing Platform. I have working knowledge on various communication protocols I2C, SPI, UART, CAN, USB, MIPI protocol, and worked with various cross functional teams located in China and India.



I would like to continue working in camera modules and enhance my skills to contribute to the technology advancements.

In my free time, I like to write stories and play Cricket.



ToolBox

Primary Skills

Embedded C, System level programming, Linux device driver development.

Secondary Skills

Gstreamer and openCV, 16-and 32-bit microcontrollers, Andorid HAL and JNI development

Languages

English (fluent in spoken and written)



Work Experience

2022.12 - Till Date

Embedded Software Engineer, Yana Mobility, Hyderabad, India

Project: ADAS Computing Platform (ACP)

I am currently working on camera linux driver development and SPI protocol driver. I am responsible for model/code development, testing for multi camera, and tracking vehicle speed. My

responsibility includes software development, testing ,validation, code reviews and delivery.

Programming languages and tools: Embedded C, SPI protocol driver, chromatix 7 tool

Project: VIC CLUSTER

I worked on application software development for CAN and USB drivers on IMX1176 board. I am responsible for model/code development, HMI display integration, tracking vehicle speed on display . My responsibility includes software development, testing , validation, code reviews and delivery.

Programming languages and tools: Embedded C, IAR Embedded Workbench 9.4.0, Embedded wizard

Project: ANDORID SMART CLUSTER

My responsibilities include SPI driver development, integration and testing for the vehicle speed on display. I was involved in Touch and display driver development for Android board. I was also responsible for tracking vehicle speed and display component development.

Programming languages and tools: Embedded C, Linux device driver

Project: AUDIO BOX

My responsibilities include MCBSP character driver development, integration and testing Echo (audio frequency waveforms). I was also responsible for generating and verify waveforms.

Programming languages and tools: Embedded C, Linux device driver

Project: TRAINER BIKE

My responsibilities include RS485 protocol driver development, integration and testing communication multiple peripherals. Developed control algorithm for stepper and DC motor based Gyro meter data. I was also involved in UART, SPI, ADC driver development for ATSAMV71 controller platform.

Programming languages and tools: Embedded C, IAR Embedded Workbench

Project: BSOC INDICATION

My responsibilities include ECU level driver development, integration and testing RGB-LED and on chip ADC. I was also

responsible to develop an application to glow LED depending on Battery output.

Programming languages and tools: Embedded C, IAR Embedded Workbench



Education

**2015.06 -
2013.07**

Master of Technology in Embedded System Design from Jawaharlal Nehru Technology University, Hyderabad, India

**2011.04 -
2007.07**

Bachelor of Technology in Electronics and Communication Engineering from Jawaharlal Nehru Technology University, Hyderabad, India



Other

Citizenship

Indian

Driving Licence

Indian car license

**Date of Birth
and place**

20th May 1990, Hyderabad, Telangana, India