

# Chikkulapally Vineeth



## Key Expertise:

- B-Tech (ECE) with 4.8Years of experience in embedded systems with testing and integration in Automotive Domain.

## Experience Summary

- Hands on experience Active Safety Systems
- Good experience in Testing using GTest
- Proficiency in working with C++
- Had familiar with requirement analysis, test execution, test setup environments.
- Having good understanding on RTOS concepts

## Work Summary

- Developing and maintain unit test cases for Firmware.
- Experience in model integration and code generation.
- Experienced in review and analysis of Test Reports.
- Working experience with White box Testing
- Working experience in C++ and scripting (bash)
- Experience in Linux Build environment.

Skill	Tools/Technologies/Methodologies
Software Development	C, C++
Tools	Visual Studio, DOORS, GIT, JIRA, RQM
Configuration Management and Version Control Tools	JIRA, Git, Polariton
Operating Systems	Linux, Windows, RTOS

## Projects Detail

### Project 1:

Project Name	Door Control Unit	Duration	Dec 2023 to till date
		Team Size	13

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Description	Scope is to implement test cases for C++ using GTest, GMock, and Code Coverage to achieve line and branch coverage
Role& Contribution	Role: Senior Engineer <ul style="list-style-type: none"><li>• Analysis of the customer requirements.</li><li>• Develop and maintain unit test cases for Firmware.</li><li>• Review and analysis of Test Reports and Coverage Reports.</li><li>• Involved in resolving error faced during test execution.</li><li>• Handling status call and discussing issues with client.</li><li>• Handling JIRA tickets by creating child tickets for the epic as per planning.</li></ul>
Technologies	C++, GTest, bash

## Project 2:

Project Name	DCS (Digital Cockpit System)	Duration	1.6
Projects Detail		Team Size	4
Description	Testing as per the specification		
Role & Contribution	Role: Associate Software Engineer <ul style="list-style-type: none"><li>• Understanding HMI framework</li><li>• Support of engineering change requests (CR) and tasks</li><li>• Involved in bug fixing in POP UPs in setting module</li><li>• Fixing bugs and implementation in general settings module in HMI application</li></ul>		
Technologies / Tools	HMI application, JIRA		

## Project 3:

Project Name	Aerial View Monitoring	Duration	2 years
		Team Size	4

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Description	It is used for parking vehicles, and it is mostly used for blind spots while parking vehicle. AVM has different variants while each variant is designed for specific projects like DL3, Fail Safe etc. and also, dynamic testing for various projects like ADAS, Air Suspension etc.
Role& Contribution	<p>Role: Team lead</p> <ul style="list-style-type: none"><li>● Compiling and building the embedded C code</li><li>● Setting up the environment on Vector Cast (UT &amp; IT)</li><li>● Executing the unit test cases in Internal Tool (CT)</li><li>● Executing the uncovered code by writing the user test cases</li><li>● Preparing the UTR after completion of execution</li><li>● Executing the Unit Testing and Integration Testing in Vector Cast</li><li>● Registering Bugs in the Excel and tracked till its closure</li></ul>
Technologies	Embedded C, Vector Cast

## Educational Qualification& Certifications

B-Tech	Electronics and Communication of Engineering 2016, from Vaagdevi College of Engineering JNTUH
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