G Mahendra Reddy
Key Skills: Automotive Industry

Email: Mahendrareddy8833@gmail.com **Mobile:** + 91 8185898833

- Overall 2.7 years of experience in verification, validation, and functional testing in Embedded Automotive domain.
- Hands on experience in validating UDS protocols.
- Good Knowledge on Verification & Validation
- Good Knowledge on CAN Protocol
- Good experience in **Hardware in Loop** in Electric power steering (EPS).
- Good Knowledge in **Dspace** simulators & MATLAB Model Adaptation
- Involved in designing, executing, and reviewing of test cases based on functional requirement specifications.
- Safety Functional Testing ASIL Standards (ISO 26262)
- Work experience in Automotive SWAR module.
- Knowledge on python scripting.
- Hands on CAPL scripting.

Skill Set:

- **Hil Systems:** Dspace Chimaira/Charybdis
- **Test Case Authoring Tool** Automation Desk (Dspace)
- **Calibration, Measurement** Control Desk (Dpsace)
- **Flashing Tool** Green Studio (EES)
- **Rest Bus/Plant Model Simulation** Matlab Simulink

- **Data Management** IBM Doors
- **Version Management** Clear Case
- **Problem Management** Clear Quest

Education:

- I completed B. Tech in (Narasaraopeta Engineering College) JNTUK.

Professional experience:

Project Name: **Electric Power Steering (EPS)**

Employer : SOURCEWAY INFOTECH PVT LTD from Aug 2021 to till Date

Description : The Project involves the functionality testing of the Electric Power steering of Active return, Automatic Parking Control, Software End Stop, Lane Keep Assist, Body Voltage Management as per customer Environment and internal Simulation and specifications using Dspace Automation Desk, Control desk.

Roles & Responsibilities:

- Understanding and analyzing the EPS functionalities requirements.
- Performing the requirement review.
- Planning the amount of testable requirements for the software releases.
- Preparing test specifications.
- Simulating the plant model according to the project related CAN database.
- Setting up the HIL Test Bench Environment.
- Analyzing HIL environment and software issues.
- Reporting problems found during the testing.
- Documenting the test reports and testing status.

Hybrid electric vehicle ECU Testing
Aug '20 to Aug ' 21
Test Engineer at Honda (Full time, Offsite) | Team of 10
Skills: UDS, CAN, Automation Testing, Control Desk, Automation Desk, Dspace, Soul, Hil Testing

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- Knowledge on python scripting

Personal profile:

Aadhar No : 436995124297.
Date of Birth : 18th OCT 1998.
PAN No : EQUPR7743R

Declaration:

I hereby declare that all the above-mentioned information furnished by me is true to the best of my knowledge and I am liable to any action if any of the details are found to be incorrect.

Place :

Date : (Mahendra Reddy G)