Sandari Ganesh

✉ sandariganesh@gmail.com
📞 +91 9019269672

Professional Summary:

❖ Around 3.2 Years of experience in working with Embedded Automotive Infotainment and Telematics ECU Testing.
❖ Expertise in testing **Infotainment** Modules such as Multi-media, Navigation, Bluetooth, Voice Related Features & Diagnostics, AA & CP & ADAS Features.
❖ Expertise in testing **Telematics** Modules such as Bluetooth, WIFI, 1DIN, Thermal test, Diagnostics and Power management.
❖ Expertise in performing **Functional**, **Smoke**, **Regression**, **Black box**, and **Performance Testing.**
❖ Good skills in problem solving and analytical thinking.
❖ Hands on experience on Automation Testing with **Python** and **TML**.
❖ Working experience on **Diagnostics functions** using UDS Protocol (ISO 14229) and CDD files.
❖ Expertise in **DL Tool** and **Lauterbach Flashing (TRACE32)** for Target Recovery.
❖ Good Knowledge on **Linux** Commands and **CI**.

Tools:

❖ Bug reporting Tool: JIRA, RTC
❖ CAN simulation Tool: CANalyzer, Canoe
❖ Protocols: CAN, UDS, BT, WIFI.
❖ HW Testing Tools: GNSS, Oscilloscope, DL Tool, Lauterbach.
❖ Scripting language: Python, TML, CAPL.
❖ Other tools used: Doors, WinSCP, Putty, RQM, Eclipse, Visual studio.

Work Experience:

Specialized in Software Manual & Automation testing with 3.2 Years of experience in Automotive Field.
➢ Company: Cyient Limited
➢ Environment: Systems Engineer
➢ Designation: Software Engineer
➢ Duration: Feb 2022 to till date

➢ Company: Techmatic Systems India Pvt Ltd
➢ Environment: QA and Testing
➢ Designation: Data Analyst
➢ Duration: Nov 2021 to Feb 2022

Project – 1 (INFOTAINMENT):

Roles and Responsibilities:

❖ Responsible for validating the testcases for HMI Navigation, Media, Connectivity, Voice Recognition Features.
❖ Tested the HMI Features for ADAS (HFP, RVC, UPA, AVM) & Home Menu, Main Menu, Gadgets, Phones& Devices.
❖ Tested various features of the navigation HMI such as destination Entry, Point of Interest, using GNSS Simulator.
❖ Involved in performing diagnostic testing for verifying and validating the status on the DTCs for various network services.
❖ Execute various diagnostic services like **ECU Reset**, **Security Access**, **Read DTC**, **Clear DTC** & **Read DID** with the help of Canalyzer Tool & CDD files.

Project – 2 (TELEMATICS):

Roles and Responsibilities:

❖ Designed and executed comprehensive test plans and test cases for BT and WLAN systems, ensuring compliance with industry standards and customer requirements.
❖ Developed and maintained automated test scripts using scripting languages such as **Python**, TML., and reduced the testing efficiency by 50%.
❖ Performing the Performance test and analyzing the log analysis.
❖ Debugging and troubleshooting the ECU with GEN4 boards.
❖ Validating and verifying on the **Wi-Fi technologies** such as **802.11n**, **802.11ac**, **802.11ax**., and Bluetooth protocols like **BLE**, **SPP**, **SSP** and **PAN**.
❖ Worked on RS-232 serial protocol, to check the data transfer without loss.
❖ Flashing the software on ECU by using Software Update, **FOTA** and **USB** method.
❖ Waking up the ECU by using **BLE mode**, **D8 pins**, **Ignition pin**, **RTC** and **CAN**.
❖ Good knowledge on Debugging and Troubleshooting.

Educational Background:

❖ M. Tech from JNTU Anantapur University in **Power and Industrial Drives** (Electrical and Electronics Engineering) in 2017 with 7.9 CGPA.
❖ B. Tech from KSRM College Of Engineering in **Electrical and Electronics Engineering** in 2014 with 75.17 Percentage.

Declaration:

I hereby declare that the above written particulars are true to the best of my Knowledge. I would glad to perform the duties you wish to assign to me consistently and competently.