

Naga Divya Sunkara

Verification & Validation Engineer

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My Portfolio

Work Experience



System Validation Engineer

RE:LAB S.R.L - Turin, ITALY

February 2023 to June 2023

(5 Months)

Roles & Responsibilities:

- Development of Infotainment System features.
- Writing Specification on Infotainment System for Light Commercial Vehicles.
- Testing and Validation of test definition, test planning, implementation, and execution of manual tests to ensure software quality and defect management.
- Test bench setup
- Flashing the software into the target
- **SW used:** Polaron, CANd++, CANalyzer, CANdelaStudio, Teraterm



Verification & Validation Engineer

Harman

September 2020 to March 2022

(1 year 7 Months)

Roles & Responsibilities:

- Involved in Understanding the Infotainment features and associated requirements (USB, Bluetooth, car play, android auto, navigation, VR, system settings).
- Validation of the software as per the System Requirements & Preparing Software validation status report.
- Responsible for Automotive testing activities carried out in the development team.
- Implementing and validating the test cases of the software and documenting the reports in IBM DOORS.

- Involved in setting up JIRA as a defect tracking system and configured various workflows, customizations, and plug-ins for the bug issue tracker Preparing
- Software validation status report.
- Responsible for developing test cases, test bench creation, flashing the software into the hardware, testing the software, listing the defects found, and verifying the fixed defects.
- Interactive in teamwork by adopting Project Management methodologies and Requirements Gathering.
- Hands-on experience in CANoe.
- Preparation of an issue list for the software bugs reported during testing

Technical Expertise

- Project Management: V-Model
- Testing: Sanity Testing, smoke Testing, Regression Testing, System Testing, ECU Testing, multi-language testing. OTA Testing
- Protocols: CAN, ETHERNET, LIN, FLEXRAY.
- Tools: CANOE, JIRA, IBM DOORS, USB Stick Flashing.

Education History



Master of Science in ICT for INTERNET and MULTIMEDIA

Institution: Università degli Studi di Padova, Italy

Year of Graduation: 2022

- Best Thesis
- Awardee, Roseton Scholarship



Bachelor of INFORMATION TECHNOLOGY

Institution: Andhra Loyola Institute of Engineering and Technology

Year of Graduation: 2019

Relevant Skills

- Data Visualization - Power BI, Excel Execution
- SQL - Microsoft SQL, Oracle Database, MySQL
- Python - Web Scraping, Pandas, Numpy
- Multilingual - English, Italian, Hindi; Conversational: English, Telugu
- Marketing Analytics Tools (Google Analytics)
- Full stack Developer: HTML, CSS, JavaScript, PHP, Laravel
- Test Automation

Academic Project & Research

- **Master's Thesis:**
Project Title: MIoT Overview
A mathematical description of the physical layer
Domain/Technology used: IoT and Digital Communications
Description: The aim of the thesis is to get an overall understanding of the MIoT Network and to provide a mathematical description of the physical layer at the transmitter side.
Role: Lead Member.
Outcome/Scope: A mathematical description of the physical layer in MIoT
- **Bachelor's Academic Project:**
Project Title: Web application for student information and attendance management.
Domain/ Technology used: HTML, CSS, Bootstrap, JSP, JS, Oracle
Description: Application for making student attendance management and academic results.
Role: Lead Member