VISHNU VASAN NEHRU   HiL VALIDATION ENGINEER

vishnuvasan@vishnuvasan.com
+91 88611 94875
562, TR Muniswamappa Building, 1s t Main, 6th Cross, Ramagondanahalli. Bangalore, India - 560066

HiL Validation Engineer with over **8.5 years** of experience in the ECU SW and Model Development, ECU Testing Techniques, Test Automation Development, HiL Testing and Project Coordination. Extensive Knowledge and Experience in Power train over the breadth of SW Development Process.

AREAS OF EXPERTISE

- ✓ Real Time Test Automation
- ✓ HiL Testing
- ✓ Test Automation Development

- ✓ Mathematical Modeling
- ✓ ECU SW Development
- ✓ ECU Testing Techniques

- ✓ Technical Expert
- ✓ Programmer
- ✓ Project Coordination

EXPERIENCE

Mercedes Benz R & D India,Bangalore ,India
2013 Sep – Present
Onsite Assignments @ DAIMLER AG, Stuttgart, Germany
2014: Mar–Jun, Sep-Dec | **2015:** Mar–Jun, Oct-Dec | **2016:** Oct- Dec | **2017:** Jan-Mar, Oct-Dec | **2018:** Jun–Jul, Sep-Nov |

PRINCIPAL ENGINEER – LEVEL 6

- Test Automation Development of Sensor Diagnostic Functions , Aggregate Torque Coordination Functions for Engine ECU
- Test Automation Development of ISO26262 Functional Safety Relevant Tests for Transmission ECU Functions
- Development of T1 GLIWA Automation for obtaining Multi core Controller Timing Measurement and Maximum CPU Load Measurement
- Developed Tool for HiL Plant Model Offline Parameterization
- Domain Know How on two major components of the Power Train – Engine and Transmission
- Leading and Coordinating a Test Automation Team of 10 Engineers in the Technical Front
- Multiple Onsite Assignments for Customer Coordination , International Cooperation, V Cycle Software Validation

Robert BOSCH Engineering and Business Solutions India, Coimbatore, India
2011 Feb – 2013 Sep

SENIOR SOFTWARE ENGINEER

- SW Model Development of Engine ECU Functions – Actuator Self Test, Torque Distribution/Reservation during Maximum Load, Idle Speed Control in MATLAB and ASCET
- Developed Multiple Tools – Majorly Data to Model(D2M) – For Conversion of Autosar Interface Data to ASCET Models
- Involved in Integration of Customer Specific AUTOSAR Functions into ECU SW and developed necessary adapters for the interface
- Been Instrumental in Multiple Efficiency Improvements and Developed tools like A2L Extractor,A2L Generator,E-Hooks Generator.

Automotive Infotronics (Joint Venture between Continental AG & Ashok Leyland)
• Chennai ,India • 2010 Mar – 2011 Feb

GRADUATE ENGINEER TRAINEE

- Model Implementation of Tire Configuration Computation Algorithm in LogiCAD-KIBES 32 for Intelligent Tire System Display Unit
- Development of Various Screens and Integration of Screens with Logical Modules for ITS.
- Development of Tell Tale Module,Power on Self Test for Cluster
- Black Box Testing for Integrated Body Control Module & Instrument Cluster

PROFESSIONAL SKILLS

Modeling Tools	MATLAB Simulink Stateflow ASCET LogiCAD – KIBES SciLab Octave	**Programming Languages**	Python Perl VBA C , R Scala
ECU Tools	CANlyzer, CANape, VehicleSp INCA rovetech Test Automation Suit Softune Gravis dSPACE HiL, Control Desk ETAS Lab Car, RTPC	**Process Tools**	DOORS ClearQuest ClearCase JIRA Confluence Track+ Mantis Slack
Web Technologies	SVN, Git Js, D3Js HTML, CSS Django	**Operating System**	Linux Windows Mac OS
Open Source Project	https://github.com/vishnuvasan		

Master of Science, Marketing
FORDHAM UNIVERSITY | Bronx, NY

Bachelor of Science, Marketing
CONCORDIA UNIVERSITY | Ann Arbor, MI

EDUCATION

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FORDHAM UNIVERSITY | Bronx, NY

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