**Vishnu Vasan Nehru HiL-Validierungsingenieur**

[**vishnuvasan@vishnuvasan.com**](mailto:vishnuvasan@vishnuvasan.com)

**+91 88611 94875**

562, TR Muniswamappa Building, 1st Main, 6th Cross, Ramagondanahalli. Bangalore, India - 560066

**HiL-Validierungsingenieur** mit über **8,5 Jahren** Erfahrung in der Entwicklung von Steuergeräte-Software und -Modellen, Steuergeräte-Prüftechniken, Testautomatisierung, HiL-Tests und Projektkoordination. Umfangreiches Wissen und Erfahrung im Bereich Antriebsstrang über die Breite des SW-Entwicklungsprozesses.

**Fachgebiet**

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| * Echtzeit Test Automatisierung | * Mathematische Modellierung | * Technischer Experte |
| * HiL Prüfung | * ECU SW Entwicklung | * Programmierer |
| * Test Automatisierung Entwicklung | * ECU Prüfung | * Projekt-Koordination |

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| **Professional 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 Automatisierung Entwicklung von Sensor diagnose funktionen, Aggregierte Drehmoment koordinations funktionen für Motorsteuergeräte
* Test Automation Development of ISO26262 Functional Safety Relevant Tests for Transmission ECU Functions
* Test Automation Development of T1 GLIWA via REST API for obtaining Multi core Controller Timing Measurement and Maximum CPU Load Measurement
* Tool Development for HiL Plant Model Offline Parameterization
* Domain Know How on two major components of the Power Train – Engine and Transmission
* Technical Lead and Coordinator for Test Automation Team of 9 Engineers
* Multiple Onsite Assignments for V Cycle Software Validation, International Cooperation and Customer Coordination Topics

**Robert BOSCH Engineering and Business Solutions India, Coimbatore, India**

**2011 Feb – 2013 Sep**

**Senior Software Engineer**

* Model Development of Engine ECU Functions – Actuator Self Test, Torque Distribution/Reservation during Maximum Load, Idle Speed Control in MATLAB and ASCET
* Multiple Tool Development – 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 Tool Developments 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 Development of Tire Configuration Computation Algorithm in LogiCAD-KIBES 32 for Intelligent Tire System Display Unit
* SW Development of Tell Tale Module,Power on Self Test for Cluster
* Black Box Testing for Integrated Body Control Module & Instrument Cluster
* Development of Various Screens and Integration of Screens with Logical Modules for ITS.

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| **Skills** |

| **Modeling Tools** | MATLAB Simulink  Stateflow  ASCET  LogiCAD  SciLab  Octave | **Programming Languages** | Python  Perl  VBA  C  Scala | **ECU Tools** | CANape CANalyzer  INCA  Provetech:TA  T1 GLIWA  dSPACE HiL  ETAS Lab Car |
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| **Process Tools** | DOORS  JIRA  Confluence  Track+  Mantis  IBM ClearCase  ClearQuest | **Web Technologies** | HTML, CSS  Javascript  D3Js  Git,  SVN | **Operating Systems** | Windows  Mac OS  Linux Flavors |

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| **Language Proficiency** |

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| **Deutsch** | Basic Proficiency | **English** | Fluent | **Tamil** | Native |

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| **Education** |

**Bachelor of Engineering, Electronics and Communication Engineering, 77%, 2004 - 2008**

ANNA UNIVERSITY | Saranathan College of Engineering, Trichy, Tamil Nadu

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| **Achievements** |

* **Star Performer of the Year Award @ Mercedes (2017)** - Transmission Test Development Area
* **Above and Beyond Call of Duty (ABCD) Award @ Mercedes (2015)** – Engine Sensor Tests
* **One Time Achievement (OTA) Award @ BOSCH (2012)** – Conceptualization and Implementation of Data to Model(D2M) Converter
* 10th Standard – 84% - **School Topper**
* 12th Standard – 93%