

# Vishnu Vasan Nehru

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6+Years - ECU SW & Test Development Engineer

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## +CONTACT

Current Address	139, Bahnhofstrasse, Fellbach, Stuttgart Germany - 70734		
Permanent Address	B10,New Housing Unit, Mannargudi,Thiruvavarur(D.t) TamilNadu India - 614001		
Date of birth	November 9,1987 (29 years old)	Gender/Nationality	Male/Indian

## + EXPERIENCE

Sep 2013 - Till Date

### **Mercedes Benz Research and Development India, Bangalore,India**

*Senior Technical Lead - Real Time HiL Test Development*

Onsite Assignment @ **Daimler AG,Stuttgart,Germany:**

**2014:** Mar-Jun, Sep-Dec | **2015:** Mar-Jun, Oct-Dec | **2016:** Oct- Dec | **2017:** Jan

- Test Automation Development/Testing for Sensor Diagnostic Functions - Engine ECU in Provtech:TA for dSpace HiL Environment
- Test Automation Development/Testing for Transmission ECU Functions and Maximum CPU Load Measurement
- Developed Real Time Scripts for Multi Processor Environments to test Engine & Transmission ECU Functions
- Effective Communication/Coordination with Function Developers for better understanding of the Functionality and also serving as coordination point for 6 associated
- Developed Multiple Generic Libraries and distributed across the whole team for better Efficiency
- Multiple Onsite Assignments for Performing Validation of V Cycle SW Releases for all Daimler Engine Sws



Feb 2011 - Sep 2013

### **Robert Bosch Engineering and Business Solutions,Coimbatore,India**

*Senior Software Engineer - ECU Application SW Model Development*

- Development of Engine ECU Functions in ASCET- OFBD Actuator Test, Torque Distribution/Reservation during Maximum Load, Idle Speed Control
- Involved in Development of Stateflow/State Machine Design in MATLAB and ASCET
- Involved in Integration of Customer Specific AUTOSAR Functions into ECU SW and also developed necessary adapters for the interface
- Involved in Variant Specific Software Customization/Optimization based on System Architecture
- Involved in various Automation Activities - Majorly Data to Model(D2M) - For Conversion of Autosar Interface Data directly to ASCET Models without human Intervention and received accolades
- Some other Tools Developed are A2L Extractor,A2L Generator,E-Hooks Generator



Mar 2010 – Feb 2011

**Automotive Infotronics ( A Joint Venture between Continental AG & Ashok Leyland ), Chennai, India**

**Softune Workbench**



*Graduate Engineer Trainee – ECU Application SW Development/Testing*

- Implementation of Tire Configuration Computation Algorithm in LogiCAD-KIBES 32 for Intelligent Tire System Display Unit
- Involved in 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

**+ IT PROFESSIONAL SKILLS**

Modeling Tools

**MATLAB Simulink/Stateflow,  
ASCET, LogiCAD – KIBES, SciLab**

Programming  
Languages

**VBA, C, Python,  
Perl, Ruby, Scala,  
Embedded C**

ECU Tools

**Provetech TA, INCA, Softune, Gravis, CANlyzer, VehicleSpy,  
dSpace HiL, ETAS Lab Car, RTPC, Control Desk**

Other Skills

**Git, Django, Js,  
HTML, D3js**

Operating  
System

**Windows, OS X,  
Linux**

**+ EDUCATION**

2004 – 2008

**Bachelor of Engineering – Electronics and Communication Engineering**

*77% – I Class*

Anna University/ Saranathan College of Engineering, Trichy, TamilNadu, India

**+ LANGUAGES**

Languages

**Tamil** – Mother Tongue

**English** – (Very good command both written and spoken)

**German** – (A1- Ongoing)

**+ ACHIEVEMENTS**

- Awarded with One Time Achievement (OTA) Award @ BOSCH for Implementation of Data to Model Converter
- Awarded with Above and Beyond Call of Duty (ABCD) @ Mercedes for Work in Sensor Tests
- Trained Inter Departmental Colleagues under Various Situations over the topic of Automotive Software Development and Tools
- School Topper in 10<sup>th</sup> Standard with 84%
- Secured 93% in 12<sup>th</sup> Standard