

# Vishnu Vasan Nehru

+91-74113 67797

8+Years - ECU SW & Test Development Engineer

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

## +CONTACT

Current Address	Site No: 562, TR Muniswamappa Building, 1st Main, 6 <sup>th</sup> Cross, Ramagondanahalli Bangalore India - 560066		
Permanent Address	B10,New Housing Unit, Mannargudi,Thiruvarur(D.t) TamilNadu India - 614001		
Date of birth	November 9,1987 (30 years old)	Gender/Nationality	Male/Indian

## + EXPERIENCE

Sep 2013 - Till Date



PROVetech:TA



Feb 2011 - Sep 2013



### **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-Mar, Oct-Dec

- 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 Leading a Team of 7 associates
- 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/Transmission Sws

### **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**

**vector**

**ZUKEN**

*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	<b>MATLAB Simulink/Stateflow, ASCET,LogiCAD - KIBES,SciLab</b>	Programming Languages	<b>C,Embedded C,VBA, Perl,Python, Ruby,Scala,R</b>
ECU Tools	<b>Provotech TA,INCA,Softune, Gravis, CANlyzer, CANape, VehicleSpy, dSpace HiL,ETAS Lab Car, RTPC, Control Desk</b>		
Other Skills	<b>Git,Django,Js, HTML,D3Js</b>	Operating System	<b>Windows,OS X, Linux</b>
Open Source Projects	<b><a href="https://github.com/vishnuvasan">https://github.com/vishnuvasan</a></b>		

**+ EDUCATION**

2004 - 2008	<b>Bachelor of Engineering - Electronics and Communication Engineering</b> 77% - I Class Anna University/ Saranathan College of Engineering,Trichy, TamilNadu,India
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**+ LANGUAGES**

Languages	<b>German - A1</b> <b>English -</b> (Very good command both written and spoken) <b>Tamil -</b> Mother Tongue
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**+ 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