

# Vishnu Vasan Nehru

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8+Years – Model Dev & Test Automation Engineer

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## +CONTACT

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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,Thiruvavur(D.t) TamilNadu India - 614001
Date of birth	November 9,1987 (30 years old)      Gender/Nationality      Male/Indian
+ EXPERIENCE	

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

*Sep 2013 – Till Date*

*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 Provetech:TA for dSpace HiL Environment
- Test Automation Development/Testing for Transmission ECU Functions and Maximum CPU Load Measurement
- Developed Real Time Automation Tests in Multi Core Architecture for Real Time Multiple ECU Interaction/Environment
- Developed Multiple Generic Libraries and distributed across the Internal Test Automation Community for better Efficiency
- Effective Communication/Coordination with Function Developers over Test Requirements/Specifications
- Utilized lot of Functional Programming concepts and Developed multiple Tools in Multiple Languages like VB Script, VBA, Perl, Javascript etc.,
- Multiple Onsite Assignments for Performing Validation of V Cycle SW Releases for all Daimler Engine/Transmission Sws
- Leading a Test Automation Team of 7 Engineers
- ISTQB- Foundation Level Certified Tester



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

*Feb 2011 – Sep 2013*

**Senior Software Engineer – ECU Application SW Model Development**

- SW Model Development of Engine ECU Functions in ASCET- Actuator Test, Torque Distribution/Reservation during Maximum Load, Idle Speed Control
- Development of Stateflow/State Machine Design in MATLAB and ASCET
- Developed Multiple Tools – Majorly Data to Model(D2M) – For Conversion of Autosar Interface Data directly to ASCET Models without human Intervention and received accolades
- 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
- Been Instrumental in Multiple Efficiency Improvements and Developed tools like A2L Extractor,A2L Generator,E-Hooks Generator etc.,



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

Mar 2010 - Feb 2011

Graduate Engineer Trainee - ECU Application SW Development/Testing

- 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

### + IT PROFESSIONAL SKILLS

Modeling Tools	<b>MATLAB Simulink</b> <b>Stateflow</b> <b>ASCET</b> <b>LogiCAD - KIBES</b> <b>SciLab</b> <b>Octave</b>	Programming Languages	<b>C</b> <b>VBA</b> <b>R</b> <b>Perl</b> <b>Python</b> <b>Scala</b>
ECU Tools	<b>Provetech Test Automation Suite</b> <b>INCA</b> <b>CANlyzer, CANape, VehicleSpy</b> <b>Softune</b> <b>Gravis</b> <b>dSpace HiL, Control Desk</b> <b>ETAS Lab Car, RTPC</b>		
Other Skills	<b>SVN, Git</b> <b>Js, D3js</b> <b>HTML, CSS</b> <b>Django</b>	Operating System	<b>Linux</b> <b>Windows</b> <b>Mac OS</b>
Open Source Projects	<a href="https://github.com/vishnuvasan">https://github.com/vishnuvasan</a>		
Enjoys	<b>Code/Model/Algorithm Development, Problems/Challenges</b> <b>Programming, Foraying into New Technologies/Directions</b> <b>Colloboration, Diversity, Openness, Camaraderie</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</b> - A1 <b>English</b> - Fluent <b>Tamil</b> - Mother Tongue
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### + ACHIEVEMENTS

- Awarded **Star Performer of the Year @ Mercedes (2017)** for work in Transmission Test Development Area
- Awarded with **Above and Beyond Call of Duty (ABCD) @ Mercedes (2015)** for Work in Sensor Tests and received Multiple Accolades in Multiple occasions
- Awarded with **One Time Achievement (OTA) Award @ BOSCH (2012)** for Implementation of Data to Model(D2M) Converter
- **School Topper in 10<sup>th</sup> Standard with 84%**
- **Secured 93%** in 12<sup>th</sup> Standard