

# Vishnu Vasan Nehru

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6+Years - ECU SW & Test Development Engineer

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## + CONTACT

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Address B10,New Housing Unit,  
Mannargudi,Thiruvarur(D.t)  
TamilNadu  
India-614001

Date of birth November 9,1987 (28 years old) Gender/Nationality Male/Indian

## + EXPERIENCE

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- Sep 2013 - Till Date **Mercedes Benz Research and Development India, Bangalore,India**  
*Senior Technical Lead*  
Onsite Assignment @ **Daimler,Stuttgart,Germany:**  
**2014:** Mar-Jun, Sep-Dec | **2015:** Mar-Jun, Oct-Dec
- Test Automation Development/Testing for Sensor Diagnostic Functions - Engine ECU in Provotech:TA for dSpace HiL Environment
  - Developed Real Time Scripts for Multi Processor Environments to test Engine & Transmission ECU Functions
  - Effective Communication with Function Developers for better understanding of the Functionality
  - Developed lot of 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*
- 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**  
*Graduate Engineer Trainee*
- Implementation of Tire Configuration Computation Algorithm in LogiCAD 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 Unit & Instrument Cluster

## + IT PROFESSIONAL SKILLS

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Modeling Tools	<b>MATLAB Simulink/Stateflow, ASCET,LogiCAD,SciLab</b>	Languages	<b>VBA,Python,Perl,C, Embedded C,Ruby</b>
ECU Tools	<b>Provetech TA,INCA,Softune, Gravis, CANlyzer, VehicleSpy, dSpace HiL,ETAS Lab Car</b>		
Other Skills	<b>Git,Django,Js, HTML,D3Js</b>	Operating System	<b>Windows,OS X, Linux</b>

## + EDUCATION

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

## + LANGUAGES

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Languages      **Tamil**    - Mother Tongue  
**English**    - (Very good command both written and spoken)  
**German**    - (Currently Learning- A1)

## + ACHIEVEMENTS

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- 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