

# Vishnu Vasan Nehru

+49-151-43383299

6+Years - ECU SW & Test Development Engineer

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

## +CONTACT

Current Address

139, Bahnhofstrasse,  
Fellbach,  
Stuttgart  
Germany - 70734

Permanent Address

B10, New Housing Unit,  
Mannargudi, Thiruvavur(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 Provetech: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

Vishnu Vasan Nehru  
139, Bahnhofstrasse  
Fellbach  
Stuttgart  
Germany - 70734  
+49-151-43383299  
vishnuvasan@zoho.com

Hello:

I am a ECU SW and Test Developer with over 6 years of experience, and I am a perfect match for the position you advertised recently in your job portal

Here is a description of how my experience compares with your requirements.

Job requirements	My experience
Software Development	4+ Years
Test Automation	3+ Years
Tool Development	2+ Years

I would welcome the opportunity to further discuss my skills and this position. My Service of notice in the current organization is 90 days. If you have questions or would like to schedule an interview, please contact me by phone or by email. I have enclosed my resume for your review. I look forward to hearing from you.

Sincerely,

Vishnu Vasan Nehru

# மெட்ரிக்குலேசன் தேர்வு MATRICULATION EXAMINATION

பத்தாம் வகுப்பு

X STANDARD

தமிழ்நாடு அரசின் அதிகாரத்திற்கு உட்பட்டு வழங்கப்படுகிறது

ISSUED UNDER THE AUTHORITY OF THE GOVERNMENT OF TAMILNADU

தேர்வர் VISHNU VASAN N

MAR 2002 இல்

மெட்ரிக்குலேசன் தேர்வெழுதிக் கீழ்க்காணும் மதிப்பெண்களைப் பெற்றுள்ளார் என்று சான்றளிக்கப்படுகிறது.

Certified that the above mentioned candidate appeared for the Matriculation Examination and obtained the following marks :

பாடம் SUBJECT	பெரும் அளவு மதிப்பெண் MAX	மதிப்பெண் MARKS
மொழி LANGUAGE TAMIL	200	173 ONE SEVEN THREE
ஆங்கிலம் ENGLISH	200	158 ONE FIVE EIGHT
கணிதம் MATHEMATICS	200	187 ONE EIGHT SEVEN
அறிவியல் SCIENCE கருத்தியல் THEORY செய்முறை PRACTICAL	200 100	184 ONE EIGHT FOUR 100 ONE ZERO ZERO
வரலாறு & புவியியல் HISTORY & GEOGRAPHY	200	113 ONE ONE EIGHT
மொத்தம் TOTAL	1100	0920 ZERO NINE TWO ZERO

பிறந்த நாள் / DATE OF BIRTH 09-11-87	பதிவெண் / REGISTER NO. 836428	ம.அ.ப.குறியீட்டெண் & நாள் / TMR CODE NO. & DATE M236223 30.05.2002
மெட்ரிக்குலேசன் பள்ளியின் பெயர் / MATRICULATION SCHOOL SRISRINIVASA M S ORATHANAD	வகுப்பு / CLASS FIRST	

மெட்ரிக்குலேசன் தேர்வில் தேர்ச்சி பெற ஒவ்வொரு பாடத்திலும், அறிவியல் பாடத்தில் கருத்தியல், செய்முறைத் தேர்வுகளிலும் தனித்தனியே குறைம அளவு முப்பத்தைந்து விழுக்காடு மதிப்பெண் பெறுதல் வேண்டும். இது பகுதி முறையில் தேர்வு எழுதித் தேர்ச்சி பெறுவதற்கும் பொருந்தும்.

A PASS IN THE MATRICULATION EXAMINATION REQUIRES A MINIMUM OF THIRTY FIVE PERCENT OF MARKS IN EACH SUBJECT AND ALSO SEPARATELY IN THEORY AND PRACTICAL EXAMINATIONS IN SCIENCE. THIS INCLUDES PASSING UNDER THE COMPARTMENTAL SYSTEM ALSO.

*V. Vishnu Vasan*  
தேர்வரின் ஒப்பம்  
Candidate's Signature  
10/6/02



*S. S. S. S. S.*  
செயலாளர்

மெட்ரிக்குலேசன் தேர்வுக் குழுவும், தமிழ்நாடு  
SECRETARY

BOARD OF MATRICULATION EXAMINATION, TAMILNADU



அரசுத் தேர்வுகள் துறை, சென்னை - 600 006.

DEPARTMENT OF GOVERNMENT EXAMINATIONS, CHENNAI - 600 006.

**மேனிலைப் பள்ளிக் கல்விச் சான்றிதழ்**  
**HIGHER SECONDARY COURSE CERTIFICATE**

பொதுக்கல்வி / GENERAL EDUCATION

தமிழ்நாடு அரசின் அதிகாரத்திற்கு உட்பட்டு வழங்கப்படுகிறது  
ISSUED UNDER THE AUTHORITY OF THE GOVERNMENT OF TAMILNADU

தேர்வர் VISHNU VASAN N

MAR. 2004

இல்

மேனிலைப் பள்ளி இறுதி வகுப்புத் தேர்வெழுதிக் கீழ்க்காணும் மதிப்பெண்களைப் பெற்றுள்ளார் என்று சான்றளிக்கப்படுகிறது.

Certified that the above mentioned candidate appeared for the Higher Secondary Examination and obtained the following marks :

பாடம் SUBJECT	கருத்தியல் THEORY 150	செய்முறை PRAC. 50	பெற்ற மதிப்பெண் 200 க்கு MARKS OBTAINED FOR 200
TAMIL			187 ONE EIGHT SEVEN
ENGLISH			179 ONE SEVEN NINE
PHYSICS	137	050	187 ONE EIGHT SEVEN
CHEMISTRY	129	050	179 ONE SEVEN NINE
BIOLOGY	146	050	196 ONE NINE SIX
MATHEMATICS			184 ONE EIGHT FOUR

மொத்த மதிப்பெண்  
TOTAL MARKS

1112 ONE ONE ONE TWO

பிறந்த நாள் / DATE OF BIRTH

09/11/87

பதிவெண் / REGISTER NO.

421628

ம.அ.ப.குறியீட்டெண் &amp; நாள் / TMR CODE NO. &amp; DATE

G267086 12.05.2004

பள்ளியின் பெயர் / SCHOOL

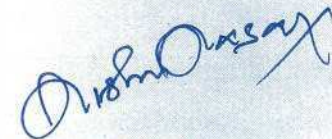
MAXWELL MAT HSS THANJAVUR

பாடத் தொகுப்பு எண் / GROUP CODE

501

இத்தேர்வில் தேர்ச்சி பெற ஒவ்வொரு பாடத்திலும், 200க்குக் குறும் அளவு 70 மதிப்பெண் பெறவேண்டும். இது பகுதி முறையில் தேர்வெழுதித் தேர்ச்சி பெறுவதற்கும் பொருந்தும். கருத்தியல் மற்றும் செய்முறைத் தேர்வுகள் கொண்ட பாடங்களில் தேர்ச்சி பெறக் கருத்தியல் தேர்வில் 150 க்குக் குறும் அளவு 40 மதிப்பெண்களும், செய்முறைத் தேர்வில் 50க்குக் குறும் அளவு 30 மதிப்பெண்களும் பெறவேண்டும்.

MINIMUM FOR A PASS : 70 MARKS OUT OF 200 IN EACH SUBJECT. THIS INCLUDES PASSING UNDER THE COMPARTMENTAL SYSTEM ALSO. FOR THE SUBJECTS CONSISTING OF THEORY AND PRACTICAL EXAMINATIONS MINIMUM MARKS FOR A PASS IS 40 OUT OF 150 IN THEORY AND 30 OUT OF 50 IN PRACTICAL.


தேர்வரின் ஒப்பம்  
Candidate's Signature

செயலாளர்  
மாநிலப் பள்ளித்தேர்வுகள் குழுவும், தமிழ்நாடு  
SECRETARY  
STATE BOARD OF SCHOOL EXAMINATIONS, TAMILNADU





# ANNA UNIVERSITY

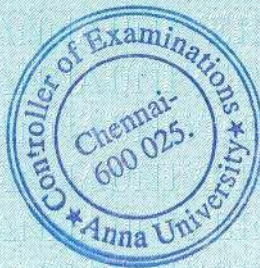
CHENNAI - 600 025

## PROVISIONAL CERTIFICATE

Folio No. : G624470

*This is to certify that the undermentioned candidate has qualified for the award of Degree as detailed below :*

Name : **VISHNU VASAN N**  
Register No. : **81904106089**  
Degree : **B.E.**  
Branch/  
Specialization : **Electronics and Communication Engineering**  
Month & Year of  
Passing : **April 2008**  
Classification : **FIRST CLASS**



Chennai - 600 025.

Date : **31/05/2008**  
V107452650925N

  
Controller of Examinations





**AUTOMOTIVE  
INFOTRONICS**

A Joint Venture between Ashok Leyland and Continental AG


AIPL:HR:SC:A0106

May 17, 2011

SERVICE CERTIFICATE

Name : Mr.Vishnu Vasan N  
Staff Number : A0106  
Date of Joining : March 08, 2010  
Date of Leaving : February 10, 2011  
Designation at the time of Leaving : GRADUATE ENGINEER TRAINEE  
Reason for separation : Resignation

for AUTOMOTIVE INFOTRONICS PRIVATE LIMITED,

  
SATHIYAMOORTHY VS IYER  
SENIOR MANAGER - HR

Name Vishnu Vasan Nehru  
Employee No. 30291728  
Department EES


Anitha J, RBEI/HRL-BP5-BP6-Cob  
Tel: 0422-667-4022, Fax: 0422-667-1208  
Anitha.J@in.bosch.com

19.09.2013

**SERVICE CERTIFICATE**

Name : Vishnu Vasan Nehru  
Designation at the time of leaving : Senior Software Engineer  
Project Group : Engineering Services DGS - EC Exhaust System,  
SW Sharing  
Date of appointment : 24.02.2011  
Date of leaving : 19.09.2013  
Reason for leaving : Resignation  
Conduct : Good

**ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED**

  
Anitha J  
Deputy General Manager  
Human Resources





Mercedes-Benz

Mercedes-Benz  
Research and Development  
India Private Limited  
A Daimler Company

September 20, 2013

Mr. Vishnu Vasan Nehru  
Electrical & Electronics

Dear Vishnu,

**Appointment Letter**

We are pleased to welcome you to our Organisation. We have pleasure in appointing you as "Lead Engineer" in the department of Electrical & Electronics with effect from September 23, 2013 in the Company's Grade L8.

You will receive the remuneration and other entitlements as mentioned in your offer letter dated June 25, 2013. All other terms and conditions in your offer letter will remain the same.

The various policies of the Company are available on the intranet. You are advised to go through the same.

Please note that this appointment is subject to you being declared medically fit.

We look forward to your long and fruitful association with the Company.

Kindly return the duplicate of this letter, duly signed, in token of your acceptance.

Wishing you all the very best.

Yours sincerely,  
Mercedes-Benz Research and Development India Private Limited

Mahesh Medhekar  
Head - Human Resources

Harshavardhan Kundalkar  
Senior Manager - Human Resources