



Address: T4, Annapoorneshwari Mansion, Bellandur Main Road
Bellandur, Bangalore-560103

Phone : +91 84312 24929

Email : yadnyesh.b@gmail.com

Skype ID : yadnyesh.bhangale@outlook.com

Profile

- +7 years of experience in Embedded System/Software Testing, Test Environment and Test Analysis (R&D) with leading automotive multinational.
- Expertise in Setting up HiL systems for testing of complex Embedded control systems with excellent troubleshooting skills.
- High amount of experience in Black Box and Gray Box testing @ HiL/SiL and Bench test.
- Proficient in Analysis of ECU data output based on Electronic Brake System knowledge.
- Excellent Issue reproduction skills from field on bench level.
- Technical Automotive domain knowledge in Braking systems.
- Knowledge and experience in testing of BUS communication protocols such as CAN, Flexray, LIN at application level.
- Always trying to identify innovative approaches to work style.
- Excellent verbal, written technical and business English.
- Admired for well organized and user friendly documentation and tutorials.
- Basic Project Management, Client interaction, Cross cultural networking.

Professional Experience

Continental Automotive Components India Pvt Ltd. (VEHICLE DYNAMICS)

Jan 18- till date	<p>Summary : Module Lead, System testing @ HiL/SiL/Bench</p> <ul style="list-style-type: none"> • Black/Graybox Testing at System and subsystem level for Electronic Braking system products. • Analyzing Requirements of Internal Subsystem Requirement documents and creating test cases. • Manual and Automated Test Scripting on Lab Bench, SiL and HiL environments. • Defining team related processes via close coordination with department teams and overseas internal customers from Europe, Japan and China. • Responsible for training/mentoring new recruits. <p>Highlights :</p> <ul style="list-style-type: none"> • 3 Months advanced training at Continental, Iasi, Romania related to system test process for highly sophisticated VED products. • VED Test Engineering "Key User" for location Bangalore. • Recognized as VED Global level 2 Expert.
August 16 - Dec 17	<p>Summary : Module Lead, Experience based test, Test Analysis, Team Management and Closed Loop Simulation</p> <ul style="list-style-type: none"> • Transfer of Vehicle level System tests(Failsafe, Diagnostics and Man machine Interface) to HiL environment for Asian OEMs including test selection for various abstractions. • Defining team related processes via close coordination with department teams and overseas internal customers from Europe and China. • Support in team management with respect to training, infrastructure and task allocation. • Closed loop Simulation setup creation on IPG Carmaker HiL environment. <p>Highlights :</p> <ul style="list-style-type: none"> • 3 Weeks HiL simulation setup training at Continental, Shanghai (VED HiL system). • 6 months advanced training on closed loop HiL simulation and Automation testing at Continental Teves, Frankfurt, Germany. (IPG HiL system). • Awarded with VED, Technical Center India Star performer for the Quarter for Q1'17.

July 14 - May 16	<p>Summary : Experienced based test and Automated BUS Release tests @HiL</p> <ul style="list-style-type: none"> ● Testing of Electronic Braking system for a Swedish OEM project including release and new development tests at Closed Loop HiL environment. Responsibility of regular update of HiL system based on new Vehicle builds and variants (BUS/ Variant coding updates) ● Build base automation test scripts in C for a new test strategy related to “BUS TX Signal Situation tests”. ● Intermittently responsible for diagnosing production issues at customer location (Indian OEM). ● Took opportunity to perform IO Check tests for an Indian OEM at customer location. <p>Highlights :</p> <ul style="list-style-type: none"> ● 3 months work experience at VED base location, Frankfurt on experienced based test for Swedish OEM project.
June 12 – June 14	<p>Summary : Automated BUS release testing @ HiL</p> <ul style="list-style-type: none"> ● Part of 2 month long Continental India Corporate Entry training program. ● Embedded Software testing : Analyzing the SW requirements of Customer product specification and the internal Vehicle BUS Requirements specification. ● Creating Test Scripts for CAN related automated tests mostly at application level using black box techniques. <p>Highlights:</p> <ul style="list-style-type: none"> ● 3 months advance Closed loop testing training at VED base location, Frankfurt. ● Nominated as Star of the month (Technical Center India)

Visteon Technical and Services Center, Chennai, India (Student Intern)

Sep 11 – May 12	<p>Project : Automated Multimedia Product testing</p> <ul style="list-style-type: none"> ● An automated approach for testing of multimedia products was developed. The quality of the testing was improved by incorporating various testing parameters like Display screen, CAN messages and audio output testing. This approach to testing decreases the amount of time required to develop a CAPL test script. ● Test tool developed in VB.net to automatically test the ID3 tags send via CAN protocol (flow control) in various Chinese/Japanese fonts.
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Trainings

- ISTQB Foundation level - CTFL
- IPG Carmaker with HiL Add on
- Dale Carnegie Leading Self Program
- Vehicle Dynamics Training at M. S. Ramaiah University of Applied Sciences, Bangalore

Education

- Master’s Degree in Automotive Electronics from VIT, Vellore, India with Gold Medal honour (CGPA 9.36/10).
- Bachelor’s degree in Electronics Engineering from NMIMS, Mumbai, India (CGPA 3.51/4)

Computer Software Skills

Tools	IPG Carmaker Usage and Programming. Measurement and Data analysis packages Usage of special Hardware like Data Acquisition system, HiL(Continental specific and IPG) Vector CANalyzer, CANoe. CAPL Scripting. Use of Configuration Management tools : MKS, Git ; Microsoft Office 365
Languages	C, C++ programming, VB.net, Python, Excel VBA, Carmaker MiniManoeuver
HiL System	IPG, Continental Proprietary HiL

Personal Details

DOB	17-Oct-1988
Languages Known	English (Fluent)