

### **Career Objective:**

To professionally associate myself with esteemed organization where there is an opportunity to contribute and update my knowledge in the field of software development and strive hard for organization and personnel growth.

### **Professional Summary:**

- ❖ Having Total **3.5 Years** of experience into **IT Domain**
- ❖ Hands on experience in **Python Data Analysis Work** by using **Python, Excel, xlrd, pandas libraries.**
- ❖ Exposure to all stages of **Software Development Life Cycle (SDLC).**
- ❖ Hands on experience on **Bug Life Cycle.**
- ❖ Exposure to all stages of **Software testing Life Cycle (STLC)**
- ❖ Exposure in Software Engineering Process and familiar with various Life Cycle Models like **Waterfall, Agile Methodology.**
- ❖ Good Experience in **Sanity, Functional, Integration and Regression testing** for Web & Mobile environments.
- ❖ Test results analyzing, sending suggestions and **defects in JIRA.**
- ❖ Involvement in preparation of **Test scenarios, Test cases** and executing the same.

### **Experience Details:**

- ❖ Currently Working as a Software Engineer at **Zensar Technology, Bangalore**  
( May 2021 to Jan 2022 )
- ❖ Previously worked as a Software Engineer at **Robert Bosch, Bangalore**  
(Aug 2018 to May 2021).

### **Educational Qualification:**

- ❖ **B. Tech (ECE)** from Jawaharlal Nehru Technological University (**JNTUA**) in 2016 with an aggregate of **74%.**

### **Technical Skills:**

Operating System	Windows 10
Language	Python
Web Technologies	HTML, CSS, Flask
DBMS	My SQL, Mongo DB
Version Controls	SVN
IDE's	Python IDLE, Visual Studio Code, Jupyter notebook (Ananconda3)
Testing	Manual Testing
Tools & Utilities	JIRA, HP ALM , ATLASSIAN CONFLUENCE TOOL

### **Project Details:**

#### **Project #3:**

**Project Name** : VECAN (Vehicle CAN Reverse Engineering)

**Software's/Tools Used** : Raspberry pi, CAN Sniffing Software, Breakout Box, Vector CANalyzer, Python, and Jupyter Notebook

**Client** : Robert Bosch India Pvt Ltd. (RBIN)

**Team Size** : 7

**Role** : Software Engineer (R &D)

**Duration** : JUNE 2020 to May 2021

**Description** : Vehicle Reverse Engineering is used for Predictive Maintenance of the vehicles. With the help of vehicle reverse engineering data, we can develop the use cases from it. Like finding Harsh Brake detection, Steering angle direction, Deceleration value and other use cases.

#### **Roles & Responsibilities:**

- ❖ Performing Vehicle Reverse Engineering by connecting raspberry pi to vehicle OBD2 port for a vehicle and by using CAN Sniffing software & collected the data for various Vehicle brands like **Hyundai, Honda, Toyota, Maruti Suzuki, Renault Nissan, Duster, Mahindra**.
- ❖ Developed **Harsh Brake Detection algorithm** for a 4 wheel vehicles by using **Python**.
- ❖ Developed **GUI** based standalone software tool for comparing Short Names and Unit values **by using Python**.
- ❖ Developed a **POC for Vehicle Fleet Management by using Python, Flask, REST API, MongoDB / MySQL, postman**.
- ❖ Involved in the daily standup meeting about discussing use cases from the vehicle reverse engineering data.

#### **Project #2:**

**Project Name** : Park Zeus

**Software's/Tools Used** : JIRA, Confluence, and Android & iOS devices

**Client** : Robert Bosch

**Team Size** : 20

**Role** : Software Test Engineer

**Duration** : JUNE 2019 to May 2020

**Description** : Park Zeus project is a Web and Android& IOS based parking management application system which is used to Provide Corporate and Commercial parking services to the costumer's .Park Zeus application will provide real time parking spaces information across the user preferred location.

### **Roles & Responsibilities:**

- ❖ Understood the requirements for Park Zeus application from Confluence page and clarified the requirements from BA person
- ❖ Write the test cases for the Park Zeus application according to features implementation.
- ❖ Performing **Functional testing , Sanity testing &Integration testing and System testing** based on features implemented on both Web and Android and iOS devices
- ❖ Assign the defect issues to respective Developers
- ❖ Involved in the Agile and Project enhancement meetings with Product owner and entire team members
- ❖ Prepare the test reports into **Confluence** page and other reports related to Park Zeus.

### **Project #1:**

<b>Project Name</b>	<b>: SD Content Testing</b>
<b>Software's/Tools Used</b>	<b>: ESI [tronic] 2.0, KTS 560/70/250, Power Supply, HSX, HS+, OBD Cable, Breakout Box,</b>
<b>Client</b>	<b>: Robert Bosch Engineering &amp; Business Solutions (RBEI)</b>
<b>Team Size</b>	<b>: 12</b>
<b>Role</b>	<b>: Software Engineer</b>
<b>Duration</b>	<b>: AUG 2018 to MAY 2019</b>

**Description** : SD Content Testing is used to validate the content of an ECU's Data through ESI [tronic] 2.0 , software by using **Diagnostic devices KTS 560/ 570 and KTS 250**, HSX, and Breakout Box. So by using SD content Testing, the content validation for European, US and Asian vehicles has been covered.

### **Roles & Responsibilities:**

- ❖ Collected the requirements from different **OEM** vehicle brands in the form of **BDX** document.
- ❖ Performing **Functional Testing** for each functionality in **ESI [tronic] 2.0** diagnostic software through **KTS 560/570** and **KTS 250, HSX, Breakout Box**, and using **CAN/UDS & K-Line** protocols.
- ❖ Interacting with the **OEM Content developers** to understand the new features and to raise new bugs.
- ❖ Performing **Smoke testing, Acceptance testing and System testing** for each vehicle ECU's.

### **Personal Profile:**

**Gender** : Male  
**Languages Known** : English and Telugu  
**Hobbies** : Cricket, Listening to music

**Contact Address** : Sri Lakshmi Venkateswara PG for Gents, CKB Layout,  
Marthahalli, Bangalore-560037

### **Declaration:**

I hereby declare that the particulars mentioned in the resume are best of my knowledge and belief.

**Date:** 09/04/22

**B. Hari Krishna**

**Place:** Bangalore