

## Summary

- Current Organization: KPIT Technologies
- Total Experience: 1 Year 4 Months
- Relevant IT Experience: 1 year and 2 months of experience in Model Based Development and Testing in Automotive domain and 2 months experience in Requirement Engineering.
- Experience in Embedded C programming.
- Experience in modelling tools like MATLAB/Simulink.
- Experience in MBD, MIL Testing.
- Experience Hand coding.
- Experience in requirement drafting (Tools: DOORS).
- Knowledge of Python Scripting.
- Online Certification of Python and Java.



## Experience

Duration	Organization	Role	Domain
1 Year and 2 months	KPIT Technologies	Software Engineer	Electric Power Steering
Organization	KPIT Technologies Ltd, Pune		
Project	Comprehensive Component Development- MBD Domain		
Role	Software Engineer		
Environment	MATLAB(Simulink), Python scripting, Hand coding (Autosar)		
Project Description	Model Based Development and MIL Testing		
Contribution	<ul style="list-style-type: none"><li>• Analysis of Requirements and specifications.</li><li>• Creation of component level requirement.</li><li>• Creation of Model in MATLAB from requirements.</li><li>• Verification and validation of Design using MIL tool.</li><li>• Peer review of other member's deliverables.</li><li>• Creation of Code (Handcode) using Davinici tool from MATLAB Model.</li></ul>		

Duration	Organization	Role	Domain
2 Months	KPIT Technologies	Software Engineer	Electrical Power Steering
Organization	KPIT Technologies Ltd, Pune		
Project	Requirements Engineering		
Role	Software Engineer		
Environment	AUTOSAR		
Project Description	<ul style="list-style-type: none"><li>• How the Serial communication message is received from ECU node to other nodes.</li><li>• Understood the important services regarding EPAS system.</li></ul>		
Contribution	<ul style="list-style-type: none"><li>• Drafted Serial Communication and Diagnostic Requirements for GM A100 for Nexteer Automotive.</li></ul>		

## Training

MATLAB, MIL Testing, Embedded C (Handcode), Requirement Drafting, Basic concept of AUTOSAR, CAN

## Top Skills

Skill	Tools/Technologies
MATLAB, SIMULINK	MATLAB 17b, MATLAB 13b
MIL Testing	MATLAB
C Programming, Hand coding	Davinci
Scripting	Python
Requirement Drafting	IBM DOORs
JAVA	Eclipse
Operating System	Linux, Windows

## CDAC Project

Title	Smart traffic control For Ambulance.
Description	The basic idea behind the proposed system is, if the Ambulance halts on the way due to a traffic signal, RFID installed at the traffic signal tracks the RFID tagged ambulance and sends the data to the cloud. After the acknowledgment for the user through the mobile app, the particular signal is made Green for some time and after the ambulance passes by, it regains its original flow of sequence of signalling using Beagle bone black.

## BE Project

Title	Biometric Attendance system using Raspberry pi.
Description	Biometric authentication is one of the most popular and accurate technology. In this project, we proposed a system which maintains the attendance records of students automatically. I have designed an efficient module that comprises of a fingerprint sensor to manage the attendance records of the students. This attendance system is not just simply taking the attendance but also maintain record of that attendance in system itself using raspberry pi.

## TE Project

Title	Line Following Robot using Arduino.
Description	Line follower robot senses black line by using sensor and then sends the signal to arduino. Then arduino drives the motor according to sensors' output. IR sensor senses the line, if left sensor comes on black line then robot turn left side. If right sensor sense black line then robot turn right side until both sensor comes at white surface. When white surface comes robot starts moving on forward again. If both sensor comes on black line, robot stops.

### Education Summary

Degree	University / Board	Percentage	Class	Year
P.G Diploma in Embedded System Design (CDAC)	Sunbeam, Pune	56	First Class	2019
Bachelor of Engineering in Electronics	Mumbai University	76.17	Distinction	2018
Diploma in E&tc	MSBTE	82.89	Distinction	2015
S.S.C	Maharashtra state board	86.18	Distinction	2012

### Strengths

Hard working, Self-motivated, Flexibility in performing any task, Good leadership skills.

### Extra-Curricular

- Secured 3<sup>rd</sup> position in State Level UG Project Competition M-Exhibit2k18 organized by Modern College of Engineering, Pune.
- Participated in sports.

### Personal Information

<b>Name</b>	Nikita Suresh Bhosale
<b>Father's Name</b>	Suresh Dhondiram Bhosale
<b>Address</b>	Sai Plaza, Samrat Nagar, Kolhapur-416008
<b>Mobile Number</b>	7798253477/ 8788014582
<b>Email ID</b>	nikitabhosale0160@gmail.com
<b>Date of Birth</b>	16-09-1996
<b>Nationality</b>	Indian
<b>Gender</b>	Female
<b>Marital Status</b>	Unmarried
<b>Languages</b>	English, Hindi, Marathi
<b>Hobbies</b>	Playing outdoor games, Photography, Trekking, Travelling, Playing tabala, cooking.

### Declaration:

The above statements are true to the best of my knowledge and belief.

Date: 22-07-2020

Place: Pune

(Nikita Suresh Bhosale)