

BHAVAY CHAUDHARY

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SUMMARY

An inquisitive Software Engineer with 2 years of diverse experience in automotive domains and technologies such as Model based development,AUTOSAR and Model Based Systems Engineering; I have exceptional communication skills and a good exposure to client facing roles. I like solving challenging problems and have demonstrated experience in electric and conventional power train.

TECHNICAL STRENGTHS

Programming Languages	C,C++,Python,MATLAB scripting,L ^A T _E X,R
Requirement Management Tools	DOORS
Sub version	GITLAB, GITLAB Extensions, SVN
Lifecycle Manager Tool	PTC Integrity
MBSE tools	Enterprise Architect and IBM Rational Rhapsody
SLDC's	Agile methodology and V developent Cycle
Programming tools	Anaconda, CodeBlocks

EXPERIENCE

KPIT, Technologies

Software Engineer

November 2019 - Present, 2 years

Pune,Maharashtra

Cummins Account

- Worked extensively on Model Based Development in MATLAB and Simulink under strict deadlines in the Agile workflow.
- Automation scripting in MATLAB to automate the MBD processes.
- Rich experience in Unit Testing including Model In Loop(MIL) and Software in Loop(SIL) for automotive components.
- SIL debugging of the MATLAB models.
- Worked on the Jenkins Framework to trigger CI/CD pipeline for MATLAB parallel Servers.
- Created MATLAB tools and API to support various Cummins technologies.
- Deep exposure to version control systems such as Gitlab, SVN etc.
- Trained freshers and new joiners on the Model Based Development process.

BMW Account

- Worked on the Model Based System development for Battery Management System(BMS) in the electric power train.
- Developed and Simulated IBM rhapsody models using SysML for Battery Management Systems.
- Created activity diagrams and sequence diagrams to implement functionality.
- Worked on Requirement Management,tracing and Linking using IBM DOORS.
- Used the JIRA framework for defect/ticket handling.
- Python scripting for automating tasks and creating test cases
- Analyzed and Tested the E/E Software components.

INTERNSHIPS

LG electronics

- Learned about the production and working of refrigeration.
- Understood the cooling cycle of a refrigerator and its real time application.
- Hands on experience on resource optimization.

EDUCATION

Vellore Institute of Technology, Vellore *2015-2019*

B.Tech Electronics and Communication Engineering

CGPA 8.33

12th Class *2014-2015*

Amity International School, Mayur Vihar

90%

10th Class *2012-2013*

Amity International School, Mayur Vihar

CGPA 10

CERTIFICATIONS

Certification	Institution
Introduction to Battery Management Systems	University of Colorado
MBSE:Model based systems Engineering	The state university of New York
Python for data science	IBM
Getting started with Python	University of Michingan
Introduction to R programming	Udemy
Simulink Onramp	Mathworks
MATLAB Onramp	Mathworks
Deep Learning Onramp	Mathworks

VOLUNTEERING AND INTERESTS

- **Education Volunteer for KPIT CSR:** Empowering children at rural schools with Education. Doing community work for social reform campaigns.
2019-Present
- **Volunteer at CHAH organization:** Responsible for arranging and distributing food and clothing for unprivileged children.
2018-2019
- My interests include travelling, listening to music and playing Football and Badminton.

LANGUAGES

HINDI : Mother tongue

ENGLISH : Fluent

GERMAN: Beginner

KASHMIRI : Beginner