

# Malakonda Rayudu Sanniboina

Hyderabad | 8074884664 | rayudu8074@gmail.com

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## WORK EXPERIENCE

### KPIT Technologies

#### Software Engineer

- 2 years of professional in Automotive Industry experience.
- Independent and responsible working style, a team player, good in communication skills and interpersonal Skills
- Worked on MATLAB as an MBD Engineer for designing the Mathematical models using Simulink and testing them with required scenarios.
- Practical knowledge on MATLAB, Simulink, state flow, C programming.
- Basic knowledge on Rhapsody Modelling, MBSE
- Knowledge on how to create Block Definition Diagram, Internal Block Diagram, Parametric Diagram, package Diagram, Activity Diagram, Sequence Diagram, State Machine Diagram and Use Case Diagrams in IBM's Rhapsody tool.
- Basic knowledge on Autosar layered architecture & automotive communication protocols.

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## PROJECT EXPERIENCE

#### Role: MBD ENGINEER

- Worked as MBD Engineer for designing continuous time and discrete time systems in Simulink environment, MIL Testing, SIL Testing, auto code generation.
- Worked in Model Development using MATLAB and Simulink for Chassis features like Terrain response system and Driver Control
- Performed Model in Loop (MIL) and Software in Loop (SIL)
- Auto-Code generation using Embedded Coder.
- Worked on creating subsystems, referenced model, creating own library in Simulink.
- Creating the test harness for the models and giving different inputs through MATLAB work space, graphically create the input signals.
- knowledge code optimization techniques.
- Basic knowledge on HIL Testing.
- Basic knowledge on post simulation analysis and model coverage techniques.
- I was also part of System Engineering Work on Doors Next Generation, DNG for updating Product specification, Systems Requirement and High-level Software Requirements.
- Worked on Rational Team Concert, RTC (Jazz) for tracking purpose of Design

- Change Requests which is updating in DNG.
- Creating the separate artifacts for the requirements in DNG for traceability.
- Updating the requirement from customer document in the form of CRSM in DNG
- A basic level experience in using Rational Rhapsody tool.

## **SKILLS**

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<b>Tools:</b>	MATLAB, IBM Rational Rhapsody, CODE: BLOCKS, RTC, DNG
<b>Protocols:</b>	CAN, LIN, FLEX RAY, Ethernet
<b>Major Skills:</b>	MBD, MATLAB, SIMULINK, STATEFLOW, MIL & SIL, SysML
<b>Certification:</b>	MATLAB, SIMULINK, STATE FLOW, Requirements writing

## **EDUCATION**

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**Presidency University**  
**ECE, B.Tech**

**BANGALURE**  
**July 2020 ,7.1 CGPA**

## **DECLARARTION :**

I declare that the information stated is true and correct as per my knowledge. I bear responsibility for the above-mentioned facts.

**Malakonda Rayudu Sanniboina**  
**Hyderabad**