



Nishant Chandane

Model Based Developer

Experienced professional in model-based development (3 yrs.) using MATLAB, proficient in interior/exterior lighting. Familiar with AUTOSAR, integration/component testing, unit model testing. Proficient in Visio for visualization.

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WORK EXPERIENCE

System Engineer

TATA CONSULTANCY SERVICES

04/2021 - Present,

Pune

Achievements/Tasks

- MATLAB & Simulink Developer in Automotive Domain Working as an MDB developer for a leading car manufacturer company as a client.
- Working with **SysML, based requirements**. Modeling tool(s)
- Collaborate with various System/Subsystem Engineers for requirement gathering/model development
- Use **SysML modelling tools to develop new features** or update existing features.
- Experience in Function development using **Magic Draw Model**.
- Worked end to end on Interior and Exterior Lighting features with responsibilities including -
- Requirements analysis & Feature Design: Analyzing and identifying the requirements and creating feature specification document based on the requirements.
- Architecture design: **Designing the architecture based on the analyzed requirements**.
- Implementation level Develop the Architecture Boundary Diagram for Feature
- Model development and testing: Developing and testing the models, ensuring compliance with **AUTOSAR standards**.
- SWC integration: Integrating multiple unit models into AUTOSAR Software Component (SWC).
- SWC testing: Testing the Software Component to ensure its functionality and reliability.
- Integrated model creation & testing: Integrating multiple SWCs into a single integrated model & testing the integrated model.
- Panel creation: Creating **GUIs (panels and interfaces) for integration testing using MATLAB's App Designer**.
- Code generation: Generating source code from the Simulink models that adheres to the AUTOSAR standard.

EDUCATION

B. Tech, Electronics & Telecommunication

Sinhgad Academy Of Engineering- 6.18 CGPA

04/2016 - 04/2019,

Pune

Diploma

SVERI's college of engineering Pandharpur-72%

04/2013 - 04/2016,

Pandharpur

SSC

MGHS, karmala- 76.38%

SKILLS

MIL & SIL

Simulink & Stateflow

Unit Testing

Integration Testing

Component Testing

MATLAB

VISIO

Magic Draw

Model Based Development

MATLAB

Exterior lighting features

SysML

Interior lighting features

Body feature

Agile Methodologies

Requirement Analysis

MAAB GUIDLINE

MISRA GUIDELINES

Git

CAN network protocols

AUTOSAR principles

GUI (Graphical User Interface)

Analytical thinking

ACHIEVEMENTS

Awards for Excellence, On the Spot. (05/2023)

On The Spot Team Award (12/2023)

Beyond Performance Award (12/2022)

04/2012 - 04/2013,

Learning Award
(11/2021)

Karm

LANGUAGES

English

Full Professional Proficiency

Marathi

Full Professional Proficiency