



# Aduvala Vikas

## EXPERIENCE SUMMARY

### 9+ years of Experience in Design and Development of Interior soft trims / hard trims, Exterior trims & Seating systems

- Comprehensive knowledge on designing of automotive Interiors products, right from Concept – Design – Drawing - Validate- Vehicle build support.
- Knowledge of regulatory requirement for commercial Interior trims/Exterior & seating system products.
- Worked on Interior soft & hard trims & Exterior Trims like Floor mat, side wall, Rear wall trims, Headliner, Front grill, bumper spoiler, Fender, Foot step, side cladding, door trim, Seating System etc...
- Knowledge about Automotive commercial vehicle seating development, packaging study and Functional requirements.
- Part split definitions & Packaging feasibility for the Components.
- Sound experience in Styling Feasibility, Concept Design, Master Section Creation, Packaging study, Fit & Finishes Study, Draft Analysis, Clash Analysis, Style Curvature Analysis & Mounting scheme establishment.
- Evaluate new designs and changes for manufacturing feasibility with internal department and customers. Developed and implemented solutions for design issues and worked with suppliers and lead design change activity.
- Concept designing of mountings, fixations, strength features and other requisites on B surface keeping Considering DFA & DFM and DFMEA.
- 2D Drawings.
- VA/VE Proposals to reduce / meet cost targets of product and in line with customer requirements.
- Sound knowledge of Injection mold design, vacuum foaming and compression molding process, Plastic materials.
- Benchmarking & selection of appropriate concepts meeting product requirement.
- Take necessary actions to improve projects efficiency and effectiveness by pro-active monitoring and management of Project deliverables.
- Timely decision making to support program milestones, gate reviews, critical path timing as per customer Requirements.
- Strong leadership, communication, problem solving skills and the ability to work with cross- functional Teams-Coordinating with Development Dept., Proto shop & Assembly shop in Product Design & Development Stage.

## TECHNICAL SKILLS

- CAD Tools: **UG-NX 12, CATIA V5.**
- PLM : **Engineering Clint(PLM Software)**  
**Saferia ECO / KEM release process/ENICS**
- Managerial Skills:  
Project Management  
Team Management

## EDUCATION

### M. tech (CAD/CAM)

Central Institute of Tool Design (CITD)  
– Osmania University, Hyderabad  
2011-2013

### Bachelor of Engineering

SR Engineering College, Warangal.  
2006-2010

**Mobile No: 9703664302**

## EXPERIENCE/PROJECT DETAILS

### Sr.Design Engineer

Tech Mahindra / Bengaluru/ Feb 2022 - Till Date

**Description:** Aston Martin Interior & Exterior trim parts like Fender, Bumper Fascia, Cantril fixture.

**Responsibilities:**

- Coordinate with customer, onsite engineer directly/ indirectly to fulfil technical request in CAD using UG/NX.
- Style analysis, Style Feedback and interacting with customers to discuss about the Style quality, Style modifications and Proposing Style considering Tooling, Assembly feasibility.
- Creation of master sections for the concept proposal, this includes Thickness, Tooling feasibility, manufacturing feasibility, gap and flush and assembly of components.
- Discussion with Supplier manager and supplier for tooling related concerns.

### Sr.Design Engineer

RLE India Pvt Ltd /Chennai (Jan 2021 - Feb 2022) Deputed to DAIMLER INDIA COMMERCIAL VEHICLES  
Counter part: Mitsubishi FUSO Truck and Bus Corporation, Japan

**Description:** Design & Development Of Interior soft trims / hard trims, Exterior trims & seating system in Daimler Chennai. (Using UG-NX).

**Responsibilities:**

- Design and development of Interior soft trims, hard trims & Exterior trims and structures for MDT and HDT cabins in compliance with Homologation requirements.
- Packaging study, design releases, supplier interaction for design medication and design validation for seating systems for commercial vehicles.
- Design modifications based on production feedback and field issues.
- Concept modeling, packaging study for new design.
- Development documentation for design release activities.
- A0 Installation and Homologation drawings creation.
- Continuous interacting with supplier to discuss about the frequently changing inputs and proposals.
- Checking for Tooling Feasibility, Process Tool Feasibility, Packaging and Assembly Feasibilities & Proposing Engineering Surface accordingly.
- Concept designing of Mountings, Fixations, Strengthening features and other requisites on B surface keeping in mind DFA & DFM and DFMEA.

### Sr.Design Engineer

HindujaTech / Pune/ March 2019 - Nov 2020

**Description:** Cooper Tractor Interior & Exterior Fender, Cup holder, utility bin and Bellow cover Design.

**Responsibilities:**

- Coordinate with customer, onsite engineer directly/ indirectly to fulfil technical request in CAD using UG/NX.
- Style analysis, Style Feedback and interacting with customers to discuss about the Style quality, Style modifications and Proposing Style considering Tooling, Assembly feasibility.
- Creation of master sections for the concept proposal, this includes Thickness, Tooling feasibility, manufacturing feasibility, gap and flush and assembly of components.

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## Sr.Design Engineer

**Axis Cades Engineering Services Pvt Ltd /Chennai (March 2016 to Feb 2019) Deputed to  
DAIMLER INDIA COMMERCIAL VEHICLES**

**Description:** Design & Development Of Interior soft trims / hard trims, Exterior trims & seating system in Daimler Chennai. (Using UG-NX).

### **Responsibilities:**

- Design and development of Interior soft trims, hard trims & Exterior trims and structures for MDT and HDT cabins in compliance with Homologation requirements.
- Packaging study, design releases, supplier interaction for design medication and design validation for seating systems for commercial vehicles.
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- Checking for Tooling Feasibility, Process Tool Feasibility, Packaging and Assembly Feasibilities & Proposing Engineering Surface accordingly.
- Concept designing of Mountings, Fixations, Strengthening features and other requisites on B surface keeping in mind DFA & DFM and DFMEA.

## Design Engineer

**Third dimension engineering Services Pvt Ltd/Hyderabad (Jan 2013 to Feb 2016) Deputed to  
DAIMLER INDIA COMMERCIAL VEHICLES**

**Description:** Design & Development Of Interior soft trims / hard trims, Exterior trims & seating system in Daimler Chennai. (Using UG-NX).

Design Of Door Trims. (Using CATIA V5).

### **Responsibilities:**

- Worked on Covered & Non Covered Door Trim Parts.
- Defining Part split, Mounting scheme establishment & Component Loading-Unloading tracks.
- Packaging study, Concept Sections & Master Sections Creation, Tooling Proposals & Styling Proposals etc...
- DMU Analysis: Checking different assemblies, gap relation, and clashes between the components with help of band analysis, clash template and dynamic section.