

MOHAMED ANAS L

DIPLOMA IN AUTOMOBILE ENGINEERING

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CAREER OBJECTIVE

Versatile Mechanical Design Engineer / Product Engineer with 5 years 5 months of experience in designing and developing of new products for Automotive domain (Trucks, 3 Wheeler & 2wheeler). Focused and result-oriented of new product . To continuously enhance my knowledge, skills and experience by getting involved in challenging work environment and utilize them for personal and organizational growth to the best of my ability.

Professional Summary

- 5+ Years of experience in product Design. Working as a Design Engineer in **VOLVO TRUCKS TECHNOLOGY** debuted by (Onward Technologies.)
- Worked as a Senior Design Engineer in **TVS MOTORS** debuted by (Harita Techserv Pvt Ltd)
- Excellence in New Product Development .
- Added value to the efforts of organization by developing new innovative design to improve cost ,quality and product performance.
- Legacy conversion for Sheetmetal, Plastics and Piping component with GD&T.
- Skilled in BIW, Sheetmetal design, Geometrical Dimensioning and Tolerance.
- Skilled in Plastic Product design TRIMS, Geometrical Dimensioning and Tolerance.
- Skilled in Exhaust Systems Piping design. Geometrical Dimensioning and Tolerance
- Proficient in DFMEA and DFX study based on DFM, DFA, DFS
- Proficient in Part Modeling, Sheetmetal Design, Surface Modeling, Engineering Drawing and DFM.
- Exposure in Creo, CATIA and Windchill.
- Check-in, Check-out, Promotion of Different Stages.
- Exposure in KOLA.
- Worked on **TVS KING EV & TVS KING KARGO EV** from concept level to vehicle Mass production.
- Worked on **TVS X EV** Scooter.

WORK EXPERIENCE

1. Organization Name: VOLVO TRUCKS TECHNOLOGY (Onward Technologies)

Domain : PIPINGS & SHEETMETAL

Software : CREO 10

Project I: Adapting Twin Steer System for North America Truck Standards.

Sub – System: Exhaust and Chassis systems

- Worked on Exhaust system for North America Trucks.
- Hold the complete Design ownership of the Vehicle Exhaust System parts from the concept to Start of Production (SOP).
- Creating Conceptual Design as per the Customer Requirements.
- Creating piping's from the engine outlet to exhaust systems for North America trucks.
- Packaging study of the complete chassis and the exhaust system.
- Creating Mounting brackets for the pipes.
- Design modification to meet manufacturing feasibility.
- DFM & DFA Study and Design Updating.
- Drawing Creation for Development.
- Drawing Release Activity in KOLA.

2. Organization Name : TVS MOTOR COMPANY LIMITED (Harita Techserv Pvt Ltd)

Domain : SHEETMETAL & BIW

Software : CATIA V5 R21, CREO 10

Project I: Automotive Under Body & Upper Body Chassis Design

Sub – System: Body and Chassis

- Hold the complete Design ownership of the Vehicle BIW Under body & Upper body Parts from the Concept to Start of Production (SOP).
- Creating Conceptual Design as per the Customer Requirements.
- Created Parts Like Long Member, Cross Member, Load Deck, Chassis Mounting Brackets, Battery Surrounding Parts in Passenger Variants, Similarly Created In Cargo Variants
- In Upper Body Design Created Reinforcement Parts for support of Flat Floor, Rear Support MTG Bracket, Socket Panel ,Side Inner Panel LH & RH.
- Designed New Flat Floor in Cabin for TVS KING EV MAX.
- Created Trims Parts Such as Door Battery, Lid battery, Inner panel trims LH & RH.
- Check the welding feasibility during assembly process and Different Types Weldings for the joining of parts such as Spot welding ,Fillet Welding & Plug Welding in 3D model.
- As New Product development created New spare wheel Mounting & Support Mounting brackets.
- Design of Various new product development stages and releasing approved parts under

ECR/ECO

- DFX study and Design updating
- Drawing creation for Development.

Project II: Automotive Plastic Design

TSub system: Style body and Plastics

- Hold the complete Design ownership of the Vehicle plastic parts like Leg shield, Leg shield grill, Visor, Panel front and Rear, Floor Board, Tail cover front and Rear, Tail Cover, Bottom cover from the Styling to Start of Production (SOP)
- A-surface is created by omitting errors with respect to environment data.
- Creating Closed volume from the A-surface to the given input thickness.
- With respect the surrounding parts, Mounting and features are created with required tolerance based upon Industrial Standard.
- Designing of Plastic parts for various new product development stages and releasing approved parts under ECR/ECO.
- Design modification to meet manufacturing feasibility.
- Drawing creation for Development

SOFTWARE AND SKILLS

- **Creo 10**
Part, Assembly, Sheetmetal, Piping, Surface Design, Drafting.
- **SolidWorks 2019**
Part, Assembly, Sheetmetal, Drafting.
- **CATIA V5 R21**
Part, Assembly, Sheetmetal, Surface Design, Drafting.

ACADEMIC DETAILS

Diploma

Nachimuthu Polytechnic College
Pollachi, Tamil Nadu

2019
Percentage – 75%

10th

Tmt Rukmaniammal Hr Sec School
Pollachi, Tamilnadu

2016
Percentage – 85%

DECLARATION

I hereby declare that the given above details are genuine to the best of my knowledge and belief.

(L.MOHAMED ANAS)

PLACE:

SIGNATURE