

Mohamed Aseem Hussain Automotive Design Engineer

✉ mohamedaseemhussain@gmail.com

☎ +91 9629992508

📍 Bengaluru, India

🌐 [linkedin.com/in/mohamed-aseem-hussain-a06431190](https://www.linkedin.com/in/mohamed-aseem-hussain-a06431190)

Profile

With 3 years of experience in trim and sheet metal design, I've worked hands-on with Siemens NX and CATIA V5. I'm always up for a challenging project and take pride in finding solid, workable solutions that hold up in the real world.

Professional Experience

Intelizign Lifecycle Services Pvt Ltd

04/2024 – present | Bengaluru

Design Engineer

(Deployed at **Daimler Truck Innovation Centre India - DTICI**)

- **H2 Tank Structure Design:** Designed closures for the H2 tank structure, including side panels with hinge mechanisms, back panel, and roof panel for truck exteriors.
- **Cabin Floor Mat & Seat Extension Arm Design:** Developed interior cabin components focusing on ergonomic placement, structural fitment, and integration into the overall truck layout.
- **Bracket & Longitudinal Member Design (CIW):** Designed critical sheet metal components for truck body structures, including weld point creation, manufacturability validation, and detailed assembly drawing preparation
- **Software used:** Siemens NX

SACHA Engineering Pvt Ltd

08/2022 – 03/2024 | Bengaluru

Design Engineer

IP Panel, Switch Mount & Air Duct Design: Developed interior trim components ensuring Class A surface quality, with focus on B-side development, fixing strategy, and tooling feasibility as per plastic design standards.

Three-Wheeler Mudguard Benchmarking: Conducted benchmarking on the mudguard for **Morgan Motors** and formulated fixing strategies to improve manufacturability and functionality.

Software Migration: (Deployed at **Ford Global Technology & Business Centre**)

- Remastered assemblies and parts across various zones during CATIA-to-NX conversion for Ford.
- Converted non-parametric models to parametric ones using Expressions, Attributes, PTS Author, and created family tables with exports to master Excel files.
- Conducted quality checks, exported models in Charisma, and generated comprehensive deliverables and documentation.

Mechathon Engineering Pvt. Ltd.

05/2021 – 07/2021 | Chennai

Product Design & Development Intern

- I contributed to a project focused on enhancing the design efficiency of a Multi-Plunger Positive Displacement Pump.
- My responsibilities included 3D modeling and 2D drafting, adhering to standards such as Fits, GD&T, and other drafting conventions.

Education

Bachelor of Engineering - Mechanical
Arunai Engineering College (Affil. to Anna University)
CGPA: 7.49/10

2017 – 2021 | Tiruvannamalai

Academic Project

Optimization of Side Stripe Fitment in Biplane Damper Assembly

02/2021 – 03/2021 | Ranipet, Vellore

Bharat Heavy Electricals Limited, Boiler Auxiliaries Plant

- At BHEL, Ranipet, proposed a fastener-based solution to replace welded side stripes in biplane dampers, optimizing the fitment method to maintain a precise 0.8mm gap. This modification improved assembly efficiency and increased overall effectiveness from 99.05% to 99.95%

Skills

Siemens NX & CATIA V5 – GSD, Shape Studio, Sheet Metal, Solid Modeling, Drafting

Office Tools – MS PowerPoint, MS Excel, and MS Word

Soft Skills – Good Communication, Emotional Intelligence, Professionalism, Conflict Management, Accountability, Integrity & Time Management

Languages

German – Basic
Completed A1 and A2 Levels

English & Tamil – Fluent
Fluent in Reading, Writing, and Speaking

Urdu & Hindi – Proficient
Proficient in Speaking and Reading; Basic Writing Skills

Interests & Activities

Photography, Book reading, Running, Weight training, Trekking & Garage mechanics