

JUNAID HUSSAIN SHEIKH

Mechanical Design Engineer

📞 917 051658437 ✉ saytojunaidhussain@gmail.com

🌐 <https://www.linkedin.com/in/junaid-hussain-sheikh> 📍 HSR Layout, Sector 7, Bengaluru

SUMMARY

Mechanical Design Engineer with 3+ years of experience in end-to-end product development of mechanical systems, enclosures, and fabricated assemblies. Experienced in designing components for industrial and EV-related applications with a strong focus on performance, manufacturability, and reliability.

KEY ACHIEVEMENTS



Patent Rights

Designed a hybrid throttle for a two wheeler from scratch and it has been applied for patent under the application number **202441036240**.



Successful Product Launch

Hybrid twist tube for hybrid throttle in vehicles under the design number **416437 001**.

SKILLS

- Proficient in SolidWorks (3D modeling, assemblies, and production drawings)
- Experienced with AutoCAD
- Expertise in enclosure design, mechanical architecture, and sheet metal fabrication
- Skilled in mechanism design, Design for Manufacturability (DFM) and Design for Assembly (DFA)
- Knowledgeable in Geometric Dimensioning and Tolerancing (GD&T) and tolerance fundamentals
- Competent in thermal and airflow considerations, as well as structural design
- Proficient in Bill of Materials (BOM) management and engineering documentation
- Experienced in 3D printing and rapid prototyping
- Strong ability to collaborate across functions

EXPERIENCE

Mechanical Design Engineer

Intelligent Air Filters

📅 04/2025 - Present 📍 Rustam Bagh, Main road, Bengaluru

- Contributing to the design and development of Bag Houses for industrial filtration systems, ensuring compliance with performance, safety, and environmental standards.
- Successfully executed key projects, including:
- Vedanta & Runaya Refining LLP – Designed and optimized bag filter systems tailored for high-efficiency dust collection, improving plant sustainability and reliability.
- Aarti Steels – Developed customized bag house solutions to meet stringent process and emission requirements, enhancing overall operational efficiency.
- Engaged in end-to-end design activities, from concept modeling to detailed engineering drawings, ensuring manufacturability and cost-effectiveness.
- Prepared GA drawings, detailed fabrication drawings, and BOMs for production and client approval.

Mechanical Design Engineer

Marlin Motocorp

04/2023 03/2025  Richmond Town, Bengaluru

- Owned design and development of mechanical systems including throttle mechanisms and supporting assemblies for EV applications.
- Defined component-level architecture ensuring precision, durability, and manufacturability.
- Designed and developed enclosure-type assemblies, focusing on structural integrity and assembly efficiency.
- Collaborated with electrical teams to resolve motor and system-level integration challenges, acting as a mechanical interface.
- Performed rapid prototyping using 3D printing to validate designs and accelerate development cycles.
- Created detailed 3D models, assemblies, and manufacturing drawings using SolidWorks.
- Drove iterative design improvements based on testing and functional requirements.

Business Analyst Intern

Movidu Technology Pvt

 03/2023 04/2023  HSR Layout, Bengaluru

- Root Cause Analysis – Identifying underlying issues in business processes.
- Critical Thinking – Evaluating information objectively to make informed decisions.
- Communication – Clearly conveying findings and requirements to stakeholders.

EDUCATION

Bachelor of Engineering [B.E.Mechanical]

KonguEngineering College

2019 - 2023 Erode-Tamil Nadu