

PANKAJ SHARMA

Kaithal, Haryana 136043

Email: sharmaspankajj3@gmail.com

Mobile: +91-7015984723

Professional Summary

Results-driven and innovative **Senior Design Engineer** with 5+ years of experience in mechanical design, CAD modeling, structural analysis, and fabrication. Adept at leading product development from concept through production using SolidWorks and AutoCAD. Proven expertise in designing aluminum structures, optimizing designs for manufacturability, and enhancing production efficiency. Strong collaborator with a hands-on approach to solving technical challenges and improving engineering workflows.

Core Competencies

- **CAD Design & Drafting:** SolidWorks, AutoCAD
- **Mechanical Engineering:** Product Development, Structural Design, Fabrication Drawing, BOM Preparation
- **Manufacturing Processes:** Sheet Metal, Welding, Assembly, Material Selection
- **Project Management:** Cross-functional Collaboration, Design Optimization, Quality Assurance
- **Soft Skills:** Problem Solving, Team Leadership, Time Management
- **Languages:** English, Hindi, Punjabi

Professional Experience

- **Devil Truss** Rohtak, Haryana, India
Senior Design Engineer Mar 2024 - Nov 2024
 - Designed and developed robust aluminum truss and roof systems for large-scale events using SolidWorks.
 - Engineered customized barricades and stage layouts tailored to client requirements.
 - Applied manufacturing best practices to troubleshoot technical issues and streamline production workflows.
 - Conducted design reviews and ensured structural integrity and safety compliance.
 - Improved design efficiency by 15% through component standardization and lightweighting techniques.
- **Rukmani Home** Jaipur, Rajasthan, India
Design Engineer June 2023 - March 2024
 - Executed detailed 3D modeling and drafting of furniture and home decor components.
 - Created fabrication-ready drawings and accurate BOMs to support in-house manufacturing.
 - Collaborated with production teams to ensure design feasibility and reduce material waste.
- **Fabrinox Arc** Sonipat, Haryana, India
Design Engineer August 2019 - June 2023
 - Executed detailed 3D modeling and drafting of furniture rack, partition and sliding door .
 - Designed custom mechanical components for industrial applications, with a focus on manufacturability.
 - Delivered high-precision 2D and 3D drawings that met client specifications and regulatory standards.
 - Maintained design documentation and supported engineering change management.

Education

- **GIMT Kurukshetra** Kurukshetra, India
Bachelor of Technology (B.Tech) - Mechanical Engineering January 2018

Certifications & Training

- Certified Training in SolidWorks and AutoCAD – GIMT Kanipla
- Certified Training – Siemens NX

Project Highlights

- **Modular Truss System Design:** Developed a modular truss architecture reducing setup time by 25%.
- **Lightweight Stage Platform:** Designed an aluminum-based platform that balanced strength and portability for touring events.
- **Modular Display Furniture:** Designed lightweight, easy-to-assemble furniture units using engineered wood and metal frames for efficient transport and compact storage.

Interests

- Creative Designing — Volleyball — Cricket — Chess — Music — Reading Engineering Journals