

SHUBHAM KANGUNE

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Professional Summary

Mechanical Engineering graduate with a strong foundation in CAD design, tool and die development, and manufacturing processes, proficient in SolidWorks, CATIA V5, and AutoCAD, with hands-on experience in 2D/3D modeling, GD&T, and design validation through academic projects and an internship, seeking an entry-level Mechanical Design Engineer role.

Technical Skills

- **Design & Modeling Tools:** SolidWorks, CATIA V5, AutoCAD
- **Analysis & Simulation:** ANSYS
- **Engineering Expertise:** Mechanical Design, Tool & Die Design, 2D/3D Modeling, GD&T
- **Design Standards & Practices:** GD&T, Tolerances & Fits, Design for Manufacturability (DFM)
- **Programming:** Python, C, C++

Education

Bachelor of Engineering in Mechanical Engineering

2022-2025

Ajeenkya D.Y. Patil School of Engineering, Savitribai Phule Pune University

CGPA: 7.2 / 10.0

Diploma in Mechanical Engineering

2019-2022

Ashok Institute of Engineering & Technology Polytechnic, Shrirampur

Percentage: 72.46%

SSC (10th Standard)

2018-2019

New English School, Takalibhan, Shrirampur

Internship Experience

Mechanical Design Intern

Maxpertise Technology Labs Pvt. Ltd., Bengaluru

- Designed and optimized sheet metal blanking dies following GD&T and industrial drafting standards.
- Improving efficiency and reducing rework.

Projects

DESIGN & PRACTICE WORK

Mechanical Design Portfolio (Design Practice)

 <https://shubhamkangune.vercel.app/> (visit link for detailed work)

- Developed a personal mechanical design portfolio showcasing component modeling, assemblies, and design practice.
- Demonstrates understanding of design fundamentals and manufacturability.

Leather Strip Cutting Device for Improving Leather Artisans' Productivity (*SolidWorks, Mild Steel Fabrication*)

- Designed and developed a fully functional semi-automated leather strip cutting machine to enhance artisans' efficiency.
- **Sponsored by Divyam Leather Crafts Pvt. Ltd.**, ensuring industry relevance and real-world application.
- Built, tested, and delivered the working model, achieving precision in leather strip cutting.
- Implemented an innovative cutting mechanism, resulting in reduced material waste and faster production.

Hydraulic Press Machine

- Researched and applied Pascal's Law to design a functional hydraulic press.
- Coordinated fabrication and assembly processes with a team, ensuring operational accuracy.
- Developed a testing procedure that validated pressure efficiency and safety of the machine.

Certifications

- CATIA V5 (Skill-Lync)
- AutoCAD Certified (Disha Institute)
- Fusion 360 (Autodesk)

Soft Skills:

Communication, Teamwork, Problem-Solving, Adaptability, Time Management, Leadership, Attention to Detail

Languages

(English, Hindi, Marathi).