

**SHUBHAM KANGUNE**  
Mechanical Design Engineer (Entry-Level)  
Pune, Maharashtra  
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## **PROFESSIONAL SUMMARY**

Mechanical Engineering graduate specializing in mechanical design, CAD modeling, and manufacturable product development. Strong hands-on experience with SolidWorks, CATIA V5, and AutoCAD, supported by practical application of GD&T, tolerances, and design for manufacturability (DFM). Proven ability to design, validate, and optimize mechanical components and tooling through academic projects and an industrial design internship. Seeking an entry-level Mechanical Design Engineer role in a manufacturing or product development environment.

## **TECHNICAL SKILLS**

**CAD & Design Tools:** SolidWorks, CATIA V5, AutoCAD

**Analysis & Simulation:** ANSYS (Basic)

**Mechanical Engineering:** Mechanical Design, Tool & Die Design, Sheet Metal Design, 2D/3D Modeling

**Design Standards:** GD&T, Tolerances & Fits, Design for Manufacturability (DFM)

**Programming:** Python, C, C++

## **INTERNSHIP EXPERIENCE**

**Mechanical Design Intern — Maxpertise Technology Labs Pvt. Ltd.**

Bengaluru

- Designed and optimized sheet metal blanking dies in compliance with GD&T and industrial drafting standards
- Developed detailed 2D manufacturing drawings and accurate 3D CAD models to support tooling and fabrication
- Applied tolerances and fits to improve dimensional accuracy, reducing design rework during manufacturing
- Supported design validation by reviewing manufacturability and assembly feasibility

## **PROJECT EXPERIENCE**

**Mechanical Design Portfolio — Design Practice**

Portfolio: shubhamkangune.vercel.app

- Created a comprehensive mechanical design portfolio featuring part modeling, assemblies, and practice designs
- Demonstrated practical application of GD&T, DFM principles, and standard design workflows

**Leather Strip Cutting Device for Improving Leather Artisans' Productivity**

Tools: SolidWorks, Mild Steel Fabrication

- Designed and developed a semi-automated leather strip cutting machine to improve productivity and consistency
- Delivered a working prototype sponsored by Divyam Leather Crafts Pvt. Ltd., ensuring industrial relevance
- Optimized cutting mechanism design to reduce material waste and improve operational efficiency
- Conducted testing and validation to ensure reliable and precise cutting performance

**Hydraulic Press Machine**

- Designed a functional hydraulic press based on Pascal's Law and mechanical principles
- Coordinated fabrication and assembly while maintaining dimensional accuracy and safety standards
- Developed and executed testing procedures to validate pressure efficiency and system reliability

## **EDUCATION**

**Bachelor of Engineering in Mechanical Engineering**

2022 – 2025

Ajeenkyा 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

## **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