LALIT PATHARE

Mechanical Engineer

+91 9604795848

lalitpathare20lp@gmail.com

Linkedin

SUMMARY

Driven Mechanical Engineer with a passion for designing innovative solution and optimizing mechanical systems. Seeking to apply my technical skills and expertise to contribute effectively to projects, enhance efficiency, and driven success within a dynamic engineering environment.

EDUCATION

Savitribai Phule Pune University

K. K. Wagh Institute of Engineering Education & Research

Bachelor's Degree in Mechanical Engineering
2020 – 2023
CGPA:7.8

RSM Polytechnic, Nashik

Diploma in Mechanical Engineering
2017 – 2020
Percentage: 91.23%

Bhosala Military School

SSC X
2017
Percentage: 79%

CORE SKILLS

- Computer-aided design (CAD)
- Manufacturing processes
- Materials science
- ANSYS Workbench
- SOLIDWORKS
- Communication
- Machine learning
- Project management
- Engineering economics

PROFESSIONAL EXPERIENCE

Graduate Apprentice Trainee

Mahindra and Mahindra Limited [Automotive and Farm Equipment Business]   AUG 2023 - AUG 2024

Role and Responsibilities

- Proficient in NX10 software, effectively utilizing its features and functionalities to optimize toolpaths and machining processes.
- Utilized UG NX computer-aided manufacturing software to create CNC programs for 3-axis, 5-axis CNC, and VMC machines.
- Studying the drawings of dies and checking the manufacturing feasibility
- Doing necessary changes if required as per try-out changes, customer & product simulation data.
- Check all 3D models in assembled condition for their function.
- Also proficient in CATIA V5, leveraging its capabilities to complement CNC programming tasks and design engineering activities within the BIW domain.
- Working on all types of skin panels & inner panels : BSO, FENDER, ROOF/SUNROOF, DOOR, HOOD, SGO etc.
- Major Assignments - MAHINDRA XUV700, SCORPIO REFRESH, BOLERO, MAHINDRA THAR & 3XO.

ACADEMIC PROJECTS

Design, development and Manufacturing of Mould for Rubber bellows using Compression

- To design and develop Rubber bellow mould using CAD CAM software.
- To design cost-effective and durable Rubber bellow products.