



BRIEF SUMMARY

Mechanical Design Engineer with expertise in CAD modeling, transmission systems, and sustainable engineering solutions. Passionate about innovation and problem-solving, with hands-on experience in AutoCAD, CNC operations, and ANSYS simulations. Committed to lifelong learning, staying ahead of industry advancements, and collaborating to develop efficient, high-performance engineering solutions."

KEY EXPERTISE

Autocad Catia Fusion 360 Teamwork Mastercam

EDUCATION

MIT Academy of Engineering, Pune

2022 - 2026

B.Tech. - Mechanical Engineering | CGPA: 8.40 / 10

Govt polytechnic college kupwara, Kupwara

2023

Diploma | Diploma - Mechanical Engineering - Mechanical Engineering | jksbte | Percentage: 66 / 100

Govt higher secondary school maidanpora lolab, Kupwara

2018

12th | jkbose | Percentage: 56 / 100

Govt highschool krusan lolab, Kupwara

2016

10th | jkbose | Percentage: 50 / 100

PROFESSIONAL EXPERIENCE

Independent contractor | Electrical / Switchgear

12 Feb, 2019 - 05 Oct, 2022

Electrical Technician

Key Skills:

House wiring Electrical installations Troubleshooting Electrical Maintenance Circuit Testing Problem Solving

Performed electrical wiring and installations for residential buildings in Kupwara, Jammu and Kashmir. Responsibilities included installing wiring systems, troubleshooting electrical issues, and ensuring compliance with safety standards. Worked independently as an electrical contractor, managing various small to medium-scale wiring projects, and collaborating with other contractors when necessary."

INTERSHIPS

EdusSkills AICTE

01 Jan, 2025 - 01 Mar, 2025

Industrial Automation Intern

Certificate of 10 weeks Virtual Industrial Automation Internship

Ansys

11 Jul, 2024 - 11 Sep, 2024

Ansys fluid dynamics virtual internship

Participated in a 10-weeks virtual internship in Fluid Dynamics at ANSYS, focusing on Computational Fluid Dynamics (CFD) simulations. Under the guidance of a mentor, I gained hands-on experience in setting up, running, and analyzing fluid flow simulations using ANSYS software. I worked on tasks including model setup, mesh generation, boundary condition application, and result validation.

PROJECTS

Dual axis solar tracker

20 Sep, 2023 - 17 Jun, 2024

Team Size: 4

Key Skills: Creative Problem Solving CAD modelling Circuit Design

Designed and developed a Dual Axis Solar Tracker to optimize solar energy absorption by enhancing panel alignment with the sun.

Novel brake pad material design

Mentor: Dr. prashant jikar | **Team Size:** 4

Key Skills: Material Selection heat treatment Power metallurgy

Developing an innovative, eco-friendly brake pad material that enhances sustainability, optimizes braking performance, and minimizes environmental impact. This project involves advanced material selection, rigorous testing, and in-depth analysis to create a high-performance alternative to conventional brake pad compositions.

ASSESSMENTS / CERTIFICATIONS

Autocad (Employability Enhancement Training Program) by AICTE

Aggregate: 100 / 100
Subjects: Drafting techniques,dimensioning, layar management (100 / 100)
Key Skills: 2D drafting,3D modeling, Technical drawing,CAD design

CNC Operator Certification

Aggregate: 100 / 100
Subjects: CNC programming , machine setup, maintenance (100 / 100)
Key Skills: CNC Operation, Machine Tool Operation, Precision Machining, Quality Control."

Assistant Electrician

Aggregate: 100 / 100
Key Skills: Electrical wiring,Basic circuitry, Equipment maintenance, Safety protocols

PERSONAL DETAILS

Gender: Male	Date of Birth: 17 Feb, 2002
Marital Status: Single	Known Languages: English , Urdu, Hindi, kashmiri
Current Address: Alandi pune, Pune, Pune, Maharashtra, India - 412105	Permanent Address: Shartmuqam lolab, kupwara kashmir, Srinagar, Kupwara, Jammu and Kashmir, India - 193223
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