



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 jksbote Percentage: 66 / 100	
Govt higher secondary school maidanpora lolab, Kupwara	2018
12 th jkbose Percentage: 56 / 100	
Govt highschool krusan lolab, Kupwara	2016
10 th 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."	

INTERNSHIPS

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

Marital Status: Single

Current Address: Alandi pune, Pune, Pune, Maharashtra, India - 412105

Date of Birth: 17 Feb, 2002

Known Languages: English, Urdu, Hindi, kashmiri

Permanent Address: Shartmuqam lolab, kupwara kashmir, Srinagar, Kupwara, Jammu and Kashmir, India - 193223

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