



KEY EXPERTISE

Autocad Catia Ansys CFD Problem Solving Team Leadership Quality Control

EDUCATION

MIT Academy of Engineering, Pune

2022 - 2025

B.Tech. - Mechanical Engineering | CGPA: 8.15 / 10

SVERI,s College of Engineering (poly), Pandharpur

2022

Diploma | Diploma - Mechanical Engineering - Mechanical Engineering | MSBTE | Percentage: 77.08 / 100

Shri Uma Vidyalyaya Modnimb

2019

10th | SSC | Percentage: 71 / 100

INTERNSHIPS

Maharashtra Fasteners Pvt Ltd | Manufacturing / Core

20 Feb, 2025 - Present

Quality Engineer

Key Skills: Dimensional Inspection Geometric Dimensioning & Tolerancing (GD&T Final Inspection & Quality Control

As a Quality Engineer in the Final Inspection team, my role involves conducting dimensional inspections, visual defect analysis, and compliance verification to ensure that finished products meet stringent quality standards

Hydroteck Industrial SPM and Solution | Machinery / Equipment Manufacturing

21 Jun, 2024 - 21 Aug, 2024

Trainee Engineer

Key Skills: Production Design Drafting Quality Testing

As a Trainee Engineer at Hydroteck Engineering Company, I gained hands-on experience in the design, manufacturing, and testing of hydraulic and pneumatic systems, special-purpose machines, and industrial automation equipment. I was involved in assembling and troubleshooting hydraulic power packs, cylinders, and industrial washers, while also assisting in quality control and process optimization. Working closely with senior engineers, I enhanced my technical knowledge of manufacturing processes, machining operations, and system integration.

PROJECTS

Design and Fabrication of Solar Powered Refrigeration system using Peltier module

01 Aug, 2024 - 30 Dec, 2024

Mentor: Prof. Sudesh Powar | **Team Size:** 4

Key Skills: leadership Problem Solving Connection

Designed and fabricated a solar-powered refrigeration system using a Peltier module. The system consists of a solar panel to harness energy, a battery for storage, and a Peltier module for cooling. Built with compact materials and focused on achieving sustainable, low-cost refrigeration, suitable for small-scale applications.

Electric vehicle battery cooling system

01 Aug, 2024 - 30 Dec, 2024

Mentor: Dr. M P Joshi | **Team Size:** 4

Key Skills: Catia Ansys Fluent

An EV battery cooling system uses ethylene glycol as a coolant that flows through wavy channels near the battery cells. When the battery gets too hot, the liquid absorbs the heat and carries it away. This keeps the battery at a safe temperature, helping it work better and last longer.

Design a Smart Stick For Blind Person

01 Jan, 2023 - 01 May, 2023

Mentor: Prof. Amol Kolhe | **Team Size:** 4

Key Skills: Problem Solving Team Collaboration

Developed a Smart Stick to help blind people detect obstacles with built-in sensors. It gives sound and vibration alerts to guide users safely. This helps them move around more easily and independently.

ASSESSMENTS / CERTIFICATIONS

The Complete Hydraulic Course

Subjects: Hydraulic And Pneumatics (9 / 10)

Key Skills: Hydraulic Circuit Hydraulic Pumps Hydraulic Valves

Pneumatics And Fundamentals

Subjects: Hydraulic And Pneumatics (9 / 10)

Key Skills: Basic Pneumatic Principles Pnematic Components Control Valves

PERSONAL INTERESTS / HOBBIES

- Playing Cricket ,Swimming .

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: 101 Dnyandeep Heights , opposie to HP petrol pump Kale Colony , Alandi Pune - 412105, Pune, Maharashtra, India - 412105

Emails: ajinkya.jadkar@mitaoe.ac.in , ajinkya.jadkar12@gmail.com

Date of Birth: 30 Nov, 2003

Known Languages: Marathi,Hindi,English

Permanent Address: A/P :- Modnimb , Palkhi Marg Near kalptaru hotel, Tal :- Madha , Dist :- Solapur, Modnimb, Maharashtra, India - 413301

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