



BRIEF SUMMARY

Looking for a role to enhance and explore my technical knowledge gained at MIT Academy of engineering, Pune in the last three years. I hold a Diploma degree from Cusrow Wadia institute of technology, Pune and currently doing various courses to enhance my knowledge.

KEY EXPERTISE

Communication Skills CATIA Aerodynamics CFD Aeroplane

EDUCATION

MIT Academy of Engineering, Pune

2020 - 2024

B.Tech. - Mechanical Engineering | CGPA: **8.23 / 10**

Cusrow Wadia Institute of Technology, Pune

2021

Diploma | Diploma - Mechanical Engineering - Mechanical Engineering | Autonomous | Percentage: **90.24 / 100**

Takhatmal English High School, Amravati

2018

10th | MSBSHSE | Percentage: **86.60 / 100**

INTERNSHIPS

Steepgraph Systems pvt ltd | IT Product & Services

03 Oct, 2023 - Present

Software Developer Trainee

Key Skills: Aras Innovator C# Content Creation PLM

Customizing and developing Aras Innovator to meet specific customer needs, creating content and courses to educate the implemented functionalities, and conducting testing and validation processes.

Flash Viven Machining Technologies

29 May, 2023 - 29 Jul, 2023

Purchase

Key Skills:

SAP Machine and Process Knowledge Product knowledge Supply chain management Purchase Process
Packaging Standards

Highly skilled in machining processes and product knowledge, proficient in SAP and Excel for data management. Strong communication and machine knowledge. Experienced in driving productivity improvement projects, such as implementing carbide center drills over HSS.

Teachnook

01 Feb, 2023 - 31 Mar, 2023

Artificial Intelligence and Machine learning using python

Key Skills: Python Big Data Artificial Intelligence Artificial Neural Networks Data Analysis

A course in artificial intelligence and machine learning using Python is currently being offered to me.

PROJECTS

IOT based relatiime data acquisition sytem for non programmable machines with dashboard visualization

01 Aug, 2022 - 19 Dec, 2023

Mentor: Prof RR badre | Team Size: 4

Key Skills:

Internet of Things Data Analysis Hardware Interfacing Wireless Sensor Networks Sensors Cloud-Computing Dashboard

Our project aims to develop a smart IoT-based system for retrieving real-time data from non-programmable machines, such as a lathe machine. The job status on the machine is tracked using an IR sensor, and the data is transmitted via Wi-Fi to a dashboard. The information is presented in the form of a trend line on the dashboard, enabling easy interpretation. With the visualization, it becomes evident whether the job is in progress, started, or completed.

CFD Analysis of energy effieciency and comfortness in mess hall

10 Aug, 2023 - 18 Dec, 2023

Mentor: Dr. Ganesh Shete | Team Size: 4

This project addresses overcrowding in a Mess Hall during peak hours. Through numerical calculations, we determined the required AC tonnage for about 150 people. CFD analysis visualized the air CFM in the hall also the areas where air is not getting circulated and the location of AC, aiming to eliminate discomfort caused by sweating and suffocation.

Optimizing Data Center Efficiency through CFD Analysis

03 Oct, 2023 - 12 Dec, 2023

Key Skills: Ansys Simulation CAD Solidworks

My project involved a comprehensive Computational Fluid Dynamics (CFD) analysis of a data center to enhance overall efficiency by optimizing airflow and identifying key areas for improvement.

ASSESSMENTS / CERTIFICATIONS

Automation in Manufacturing (NPTEL)- Elite + Silver Medal

29 Oct, 2023

Aggregate: 77 / 100

Key Skills: Sensors IOT Machines Automation

In this course, I learned about automated systems in manufacturing, covering components like sensors, actuators, drives, and hydraulic/pneumatic systems. Topics also included microprocessor technology, programming, and CNC. Real-life examples and case studies in manufacturing applications were part of the curriculum.

Mahatech Organization

Key Skills: Volunteering Organizing Organization

Over the last two years, I have been involved in the Mahatech exhibition event as a volunteer and gained a certificate for my efforts.

Paper Presentation on Chandrayaan-2

Key Skills: Presentation Communication Research Powerpoint

I had participated in paper presentation held in CWIT, Pune during my diploma course where i have done research on chandrayaan-2 mission and given presentation. Achieved a participation certificate.

Drone Development Championship

Key Skills: Aero modelling, Aerodynamics, RC plane Study, Simulation

My team and I competed in the SAE India Drone Development Championship in July 2023 in Chennai. We designed, developed, and tested our RC drone, earning us the 8th rank nationwide among all colleges.

SEMINARS / TRAININGS / WORKSHOPS

Designer and Researcher at Aero Club Institute Name: MITAOE

04 Nov, 2022 - 20 Jul, 2023

During my 9 months of journey in the Aero Club at MITAOE, I learned a lot about how things fly, built model planes, and looked at computer simulations. I focused on wings, figuring out how to make them work best. We tested different wing designs and shapes using computer analysis. We also built a remote-control plane and joined a drone competition by SAE India, where we got 8th place in the small plane category and got a certificate for taking part.

PERSONAL INTERESTS / HOBBIES

- Cricket, Astrophysics, Sci-fi Movies, Learning a new language, Dancing, Listening to songs

PERSONAL DETAILS

Gender: Male	Date of Birth: 14 Jul, 2002
Marital Status: Single	Known Languages: English, Marathi, Hindi
Current Address: Flat no 3, in line param computers, kale colony, Alandi, Pune, Maharashtra, India - 412105	Permanent Address: Neha Apartment Flat no M5, Opposite of Somani Garden, Ring Road, Bhusawal, Jalgaon, Maharashtra, India - 425201
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