

BRIEF SUMMARY

B.Tech Mechanical Engineering student proficient in design, robotics, and front-end development. Skilled in creating innovative solutions for both mechanical and digital projects. Demonstrated success in project management, evidenced by project outcomes. Actively involved in extracurricular activities such as TEDx Club and Robotics Club, with experience organizing events like Equilibrium. Possesses a ready-to-learn attitude and is committed to giving 100% effort to achieve better outcomes in all endeavors.

KEY EXPERTISE

CATIA Fusion 360 Adobe Illustrator Adobe After Effects CSS HTML5 Javascript

EDUCATION

MIT Academy of Engineering, Pune B.Tech. - Mechanical Engineering CGPA: 6.54 / 10	2020 - 2024
Golden kids, Amravati 12 th MSBSHSE Percentage: 61.23 / 100	2020
Maharishi Public School, Amravati 10 th CBSE Percentage: 75 / 100	2018

INTERSHIPS

Mentoraide IT / Computers - Software Front End Developer Key Skills: HTML CSS Javascript React.js In my frontend developer internship, I focused on HTML, CSS, JavaScript, and React.js. I converted design mockups into interactive web pages, ensuring they were user-friendly and responsive. I collaborated with design and backend teams, wrote clean code, and learned valuable skills in frontend development.	06 Jan, 2024 - Present
FUEL IT / Computers - Software Reactjs Intern Key Skills: ReactJS CSS HTML During a 2-month React developer internship, I underwent a month-long intensive training in React.js fundamentals, followed by a second month dedicated to hands-on project development. This experience honed my skills and allowed me to actively contribute to a real-world project.	01 Jun, 2023 - 31 Jul, 2023

PROJECTS

A comparative analysis of the experimental performance of water- cooled and air- cooled thermoelectric refrigerators Mentor: Prof. Sudesh Powar Team Size: 4 Key Skills: Refrigeration and Cooling R&D Conducted study comparing air-cooled and water-cooled thermoelectric refrigerators. Water-cooled unit achieved lower temperatures (10°C) in 35 mins vs. air-cooled (18°C). Water-cooled refrigerator demonstrated higher Coefficient of Performance (COP: 0.56) vs. air-cooled (0.29), indicating improved efficiency. Results favor water-cooled units for enhanced cooling performance.	01 Aug, 2023 - 30 Nov, 2023
Microstructure prediction using AI and ML. Mentor: Dr. Prashant Jikar Team Size: 4 Key Skills: R&D Python Deep Learning In this study , we predicted microstructures using AI and ML . A material microstructure of 150 images is established, comprised of mild steel micrographs acquired from four different thermal processing condition and use CNN model to predict microstructure.	07 Aug, 2022 - 16 Apr, 2023
Pipe inspection bot	15 Aug, 2022 - 12 Dec, 2022

Mentor: Mrs. Yogesh Maske | **Team Size:** 1

Key Skills: Robotics Arduino Fusion360 R&D

Pipe Inspection Bot For Industrial pipe With Diameter range from 12.7cm to 15.2cm radius of Pipe

Water surface bot

14 Sep, 2021 - 07 Jun, 2022

Mentor: Ms. Ms. Nitasha B. Chaudhari | **Team Size:** 1

Key Skills: Fusion 360 CATIA Design Research R&D

In this, we come with effective solution to clean and maintain water bodies using Robotics techniques.
Under guidance of Ms. Nitasha B. Chaudhari.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Metallurgical Microstructure Classification using CNN: A Comprehensive Study on Heat Treatment Analysis for Steel

Student | Materials today Proceeding : ELSEVIER | **Mentor:** Dr. Prashant C. Jikar | **No. of Authors:** 4

Key Skills: Project management Matallurgy Heat treatment Machine Learning

SEMINARS / TRAININGS / WORKSHOPS

FULL STACK Institute Name: FUEL

01 Jan, 2023 - 01 May, 2023

Key Skills: Java

CO-CURRICULAR ACTIVITIES

- Equilibrium 2K23 :- Designer, Volunteer.
- Robotics Club 2K23 :- Design Head

EXTRA CURRICULAR ACTIVITIES

- TedxMitaoe 2k21 :- Designer, Volunteer

PERSONAL INTERESTS / HOBBIES

- Animation

PERSONAL DETAILS

Gender: Male

Date of Birth: 01 Apr, 2002

Marital Status: Single

Known Languages: English,Hindi,Marathi

Current Address: Dehu Patha, Alandi, Alandi, Pune,
Maharashtra, India - 412105

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