



BRIEF SUMMARY

I am a final-year mechanical engineering student with a strong foundation in Manufacturing, problem-solving, and analysis, developed through hands-on projects and internships. My expertise lies in CAD, manufacturing processes, and creating innovative solutions. I am actively seeking opportunities to apply my skills in a dynamic work environment, contribute to engineering advancements, and grow professionally as I begin my career in the industry.

KEY EXPERTISE

Industrial design | Project management skill | critical thinking | Problem Solving | Quality Management Skill
Team Management | MS office | Creativity | Leadership | Ethics | Excel | AutoCAD | CATIA

EDUCATION

MIT Academy of Engineering, Pune

2021 - 2025

B.Tech. - Mechanical Engineering | CGPA: 8.72 / 10

Pemraj Sarada College, Ahmednagar, Ahmednagar

2021

12th | State Board | Percentage: 86.33 / 100

Mahatma Gandhi High School, Karmala

2019

10th | State | Percentage: 88.40 / 100

INTERSHIPS

Fluid Controls | Manufacturing / Core

21 Jun, 2024 - 21 Jul, 2024

Inward Quality Engineer

Key Skills: . Inspection, Problem-solving, Precision, Communication, Analysis, GD&T | Critical Thinking | Kaizen Technique

An Inward Quality Engineer ensures incoming materials meet quality standards by conducting inspections, analyzing defects, coordinating with suppliers for corrective actions, and maintaining detailed reports to optimize production quality control processes.

PROJECTS

Shell and Tube Heat Exchanger

02 Jan, 2024 - 17 May, 2024

Mentor: Dr. Pramod Kothmire | **Team Size:** 5

Key Skills: Design, calculation analysis, ansys,

A shell and tube heat exchanger is a type of heat transfer device widely used in industrial applications. It consists of a series of tubes housed within a cylindrical shell. One fluid flows through the tubes, while another fluid flows over the tubes within the shell, facilitating thermal energy exchange. This design offers high efficiency, versatility, and the ability to handle high pressures and temperatures, making it ideal for various engineering processes.

Enhancement of Safe Machine cutting Tool Using Computer Vision

08 Sep, 2022 - 07 May, 2023

Mentor: Prof. Amol J. Asalekar | **Team Size:** 3

Key Skills: Knowledge About Raspberry Pi, Computer Vision

This project aims to improve metal cutting safety and efficiency using computer vision. An intelligent monitoring system will detect hazards in real-time, proposing safety measures based on current practices. Training will be provided to foster a safety culture. The goal is to enhance worker safety by promptly identifying hazards and taking corrective action.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Enhancement Of Safe Machine Cutting Tool Using Computer Vision

23 Feb, 2024

IEEE (INCOFT) | **Mentor:** Prof. Amol J. Asalekar | **No. of Authors:** 6

Key Skills: IOT, CNN, Single Shot Detection (SSD), Image Processing

ASSESSMENTS / CERTIFICATIONS

Microchip Embedded System

Key Skills: knowledge about Sensors and Transducer

FUEL Future skill Training in core Java and aptitude training

Certification in future skill training

SEMINARS / TRAININGS / WORKSHOPS

Vehicle Dyamic Workshop Institute Name: MIT Academy of Engineering, Pune

14 May, 2023 - 15 May, 2023

Key Skills: Automobile Things, Knowledge about Engines, Electric Cars Catia, Fusion360

"Geometric Dimensioning and Tolerancing "

19 Oct, 2022 - 19 Oct, 2022

Institute Name: MIT Academy of Engineering, Pune

Key Skills: Information About GD&T, Measurements

CO-CURRICULAR ACTIVITIES

- Sports and Athletics
- Participation in Health Awareness campaign

PERSONAL INTERESTS / HOBBIES

- Cooking Travelling outdoor Activities

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Indrayani Hills, Near Anand Hospital, Alandi, Pune, Pune City, Maharashtra, India - 412105

Emails: suryakant.atkare@mitaoe.ac.in , atkaresuryakant@gmail.com

Date of Birth: 01 Feb, 2003

Known Languages: Marathi, English, Hindi

Permanent Address: AT Post Kolgaon, Tel Karmala, Dist Solapur, Karmala, Maharashtra, India - 413203

Phone Number: +91-9766652819