



BRIEF SUMMARY

Final-year Mechanical Engineering student with strong fundamentals in thermodynamics, heat transfer, fluid mechanics, and machine design. Hands-on experience in CAD, ANSYS simulations, robotics, and thermal systems. Interested in manufacturing, automation, and engineering operations, with a strong focus on industrial problem-solving.

KEY EXPERTISE

CATIA Python ANSYS AutoCAD Thermodynamics Fluid Mechanics Heat Transfer RAC Machine Design
Manufacturing Processes

EDUCATION

MIT Academy of Engineering, Pune B.Tech. - Mechanical Engineering CGPA: 7.40 / 10	2022 - 2026
V.Y.W.S Polytechnic Badnera, Amravati, Amravati Diploma Diploma - Mechanical Engineering - Mechanical Engineering MSBTE Percentage: 77.79 / 100	2023
Golden Kids English High School, Amravati 10 th MSBSHSE Percentage: 64.40 / 100	2019

INTERNSHIPS

Cisco Academics / Research AICTE Cisco Virtual internship Key Skills: Cisco Packet Tracer Internship Program in Cybersecurity from May to July 2024 with covering three certifications : <ul style="list-style-type: none">- Introduction to Cybersecurity- Cybersecurity Essentials- Introduction to Packet Tracer Additionally, I completed a project focused on Cisco Packet Tracer, which was a great hands-on experience in understanding network security	01 May, 2024 - 01 Aug, 2024
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PROJECTS

Design and Manufacturing 6-DOF Robotic Welding Arm Mentor: Dr.Suraj Tat Team Size: 4 Key Skills: CAD Robotics Automation Actuator Selection Motion Control Kinematic Modeling <ul style="list-style-type: none">- Designed and fabricated a 6-DOF robotic welding arm- Performed kinematic modeling and actuator selection- Implemented motion control for automated welding operations	01 Sep, 2024 - 05 Dec, 2025
Thermal Analysis of Lithium-ion Battery Pack Mentor: Sudesh Power Team Size: 4 Key Skills: CAD CFD Thermal analysis Battery Thermal Management ANSYS Cooling System Design <ul style="list-style-type: none">- Modeled temperature distribution and heat generation of a Li-ion battery pack using ANSYS- Compared passive and active cooling strategies for thermal management- Identified hotspots and suggested design improvements to enhance safety and thermal efficiency	14 Feb, 2025 - 15 May, 2025
ST3 CORROGATED STRAIGHT TUBE SHELL AND TUBE HEAT EXCHANGER Mentor: Dr. Nilesh Totla Team Size: 4 Key Skills: Heat Transfer RAC Thermal Design HVAC LMTD & NTU	01 Aug, 2024 - 01 Dec, 2024

- Designed and analyzed a corrugated shell-and-tube heat exchanger to enhance heat transfer
- Performed thermal design using LMTD and NTU methods
- Evaluated heat transfer performance vs. pressure drop and optimized design for HVAC applications

ASSESSMENTS / CERTIFICATIONS

Python for engineering data analysis and simulation support

Aggregate: 75 / 100

Key Skills: Python Programming OOPS

Acquired a comprehensive understanding of Python programming, including core concepts such as data types, control structures, functions, and object-oriented programming. Gained hands-on experience with libraries for data manipulation, analysis, and visualization. Demonstrated ability to develop, test, and deploy Python applications efficiently.

PERSONAL INTERESTS / HOBBIES

- o Playing Cricket, Badminton

PERSONAL DETAILS

Gender: Male

Marital Status: Single

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- 412105

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Date of Birth: 30 Nov, 2003

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