

Vedant Rane

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SUMMARY

Motivated mechanical engineering student with hands-on experience in manufacturing and quality control. Skilled in Autodesk Fusion 360, CAD, and MS Excel, successfully contributing to process audits and quality inspections. Demonstrated ability to enhance operational efficiency through effective problem-solving and analytical skills.

SKILLS

Autodesk Fusion 360 CAD MS Excel MS Word Basics of Suspension Geometry FEA Simulink

EXPERIENCE

Manufacturing and Quality Control Intern.

Bharat Gears Ltd

05/2025 - 06/2025 Mumbai

- Improved manufacturing process understanding by mapping multi-stage gear production steps through hands-on industrial floor observation and process analysis.
- Assisted in gear quality inspection by conducting hardness and dimensional checks using hardness testers, vernier calipers, and micrometers.
- Improved manufacturing readiness by auditing engineering drawings to confirm process clarity.

EDUCATION

B.TECH, Mechanical Engineering

Manipal Institute of Technology, Manipal

2023 - Present

12-HSC

Pace Junior Science College, Mumbai

2021 - 2023

10-SSC

Pune Vidya Bhawan

2011 - 2021

PROJECTS

Senior Committee Member (Research and Development)

01/2024 - Present Manipal

- Led technical workshops on design and analysis software by training participants in Fusion 360 and SolidWorks to enhance innovation, free thinking, and creative problem solving.

Organizing Committee Member, Feb 2025 - March 2025

02/2025 - 03/2025 Manipal

- Managed end-to-end project execution by aligning planning, timelines, and team coordination to achieve flawless delivery of a large-scale sporting event

Formula Manipal (task-phase member)

08/2023 - 01/2024 Manipal

- Applied problem-solving and analytical thinking to analyze and predict chassis forces, enhancing overall vehicle performance.

LANGUAGE

English

Hindi

Marathi