

Achyut Anant Deshpande

Contact Details

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Educational Background

- **DKTE'S Textile & Engineering Institute, Ichalkaranji**
B.TECH Final Year Mechanical Year: - 2022-Pursuing
CGPA: - 6.61
- **Vidya Mandir Prashala and Junior College, Miraj**
HSC: - 68.00% Year: - 2022
- **Ideal English School, Miraj**
SSC: - 71.40% Year: - 2020

Internship Experience

- **Mahabal Metals Private Limited.**
Position:-Intern in the Machining Department. (06/2024)
- **Rotadyne Precision Engineering Private Limited.**
Position:-Intern in the Quality Control Department. (11/2024)

Projects

- **Thermochemical Energy Storage (TCES) System:** - A research project focused on thermochemical energy storage by investigating various salt hydrates, such as SrBr_2 and SrCl_2 . The project involves designing and testing a reactor to see how effectively it stores large amounts of energy in a compact system with minimal loss.
- **Air Umbrella Helmet:** - The Umbrella Air Helmet is a conceptual project that Features an umbrella made of air dome-shaped structures around a helmet.
- **Magnetic Damper:** - A magnetic damper consists of a piston-cylinder Arrangement that utilizes two opposing magnets to effectively dampen vibrations.
- **Customizable LCV :** -The Customizable LCV is a project that allows modification Of the carriage of small light commercial vehicles (LCVs), enabling adaptability For different uses.
- **SeaBin :** - Water Surface Waste Collector Developed a stationary floating device, inspired By the Seabin concept, to collect floating waste from small stagnant water Bodies. Focused on low-cost materials and passive operation for easy use in Ponds and local lakes.

Achievements /Certificate

- Third Prize in “Mech-Dart” [Tech-Symposium 2K24] organized by DKTE Society’s Engineering Institute.
- Participated in AAKRUTI Global 2024, a global SOLIDWORKS design contest on Sustainability and innovation.
- Participation certificate for IET Karmaveer Expo 2024, Project Exhibition
- Certified Ready Engineer – Completed Tata Technologies' Ready Engineer Program in Automobile Design, Analysis & Manufacturing.
- CSWA-certified in SolidWorks by Dassault Systèmes, demonstrating proficiency In 3D CAD, design analysis, and engineering drawings.
- NPTEL Certification – Advanced Machining Processes.

Technical Skills

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|--|--------------------------------|
| • AutoCAD 2D & 3D. | • Microsoft Office (MS Office) |
| • Fusion 360 - 3D modeling. | • C programming. |
| • SolidWorks – 3D modeling, Rendering. | • Python. |
| • Catia – 2D modeling. | • Canva |
| • Ansys – Workbench. | • Photoshop |

Co-Curricular

- | | |
|---------------------------------|-------------------------|
| • MESA committee Co-Coordinator | • Member of SAE India |
| • Member of IME | • Member of E-cell DKTE |

Life Skills

- | | |
|---------------------|-------------------|
| • Time Management | • Team Work |
| • Creative Thinking | • Problem Solving |

Hobbies

- | | |
|-------------|-------------------|
| • Sketching | • Designing parts |
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