Aditya Deshmukh

Nashik, Maharashtra | aditya.deshmukh.eng@email.com | 898-765-4321 | linkedin.com/in/aditya-deshmukh-nashik

OBJECTIVE

Mechanical Engineering graduate with strong analytical and problem-solving skills seeking entry-level opportunities in manufacturing or product design. Eager to apply engineering principles and CAD skills to contribute to innovative projects.

EDUCATION

Savitribai Phule Pune University | Pune, Maharashtra

Bachelor of Engineering (B.E.) in Mechanical Engineering | Graduated: June 2024

- CGPA: 7.8/10

- Final Year Project: Design and Fabrication of Solar Water Heater

TECHNICAL SKILLS

- CAD Software: AutoCAD, SolidWorks (Intermediate level)

- Engineering Tools: MATLAB (Basic), ANSYS (Basic)

- MS Office: Word, Excel (Basic formulas), PowerPoint

- Manufacturing Knowledge: CNC Machining, Welding, Lathe Operations

- Core Subjects: Thermodynamics, Fluid Mechanics, Strength of Materials, Machine Design

INTERNSHIP EXPERIENCE

Mechanical Engineering Intern | Bharat Forge Ltd. | Pune, Maharashtra

January 2024 - April 2024

- Assisted senior engineers in quality control and inspection of forged components

- Observed manufacturing processes including forging, heat treatment, and machining

- Prepared daily production reports and maintained equipment maintenance logs

- Learned about ISO quality standards and safety protocols in manufacturing environment

ACADEMIC PROJECTS

1. Design and Fabrication of Solar Water Heater (Final Year Project)

- Designed a cost-effective solar water heating system for residential use
- Conducted thermal analysis and efficiency calculations
- Built a working prototype that achieved 65% thermal efficiency
- Tools Used: SolidWorks for design, Manual fabrication

2. Analysis of Heat Exchanger Performance
- Studied different types of heat exchangers and their applications
- Performed calculations for heat transfer rates and effectiveness
- Presented findings in technical seminar
- Tools Used: MATLAB for calculations, Excel for data analysis

3. Pneumatic Operated Jack (Mini Project)
- Designed a pneumatic system to lift vehicles for maintenance
- Created engineering drawings and bill of materials
- Tools Used: AutoCAD

CERTIFICATIONS & WORKSHOPS
- AutoCAD 2D and 3D - CADD Centre (Certificate Course, 2023)
- Attended 1-week workshop on "Industrial Automation and Robotics" at COEP, Pune
- Completed online course: "Introduction to Engineering Mechanics" - NPTEL

EXTRACURRICULAR ACTIVITIES
- Team member of SAE India Collegiate Club (Society of Automotive Engineers)
- Participated in college technical paper presentation competition
- Sports: Represented college in inter-college cricket tournament
- Volunteer for "Swachh Bharat Abhiyan" initiative in local community