Anuj Vishnu Jadhav

Mechanical Engineer

+91 8983650703 | anujvj07@gmail.com | LinkedIn-Anuj jadhav

CAREER OBJECTIVE

Mechanical engineering student with a solid foundation in core thermal, fluid, and structural principles. Seeking a challenging position in an innovative engineering firm where strong teamwork, technical aptitude, and a passion for continuous learning can drive successful project execution.

SKILLS

Technical Skills: - Computer Aided Designing- AutoCAD (2D & 3D), SolidWorks (Learning), GD&T, basic programming.

Competences: - Project management, Leadership, team working, Critical and Analytical Thinking, Communication, Adaptability, Eager to Learn, Time Management.

INTERNSHIPS/EXPERIENCE

- **SG Engineering, Palus** **Dec 2025 to Jan 2026**
    1. Learned Forging process and its types and techniques.
    2. Gained hands on Experience on raw material utilization by analysing forging allowances, flash thickness and die degradation patterns during run.
    3. Learned integration of Industrial Quality Standards and implementation of workplace safety protocols into daily production tasks.
- **Field Exposure & Independent Study – Tembhu Lift Irrigation Scheme by Government of Maharashtra**
    1. Conducted self-directed field observations of large-scale centrifugal pumps, high-capacity motors, and heavy-duty piping systems.
    2. Studied the operational mechanics, fluid dynamics, and maintenance protocols of high-discharge pumping stations.
    3. Analysed real-world applications of hydraulic principles, control valves, Air vessals and surge protection systems used in massive water-transmission networks.

PROJECTS

1. **Created Demo model of Stirling engine.**
    - Led the 5 member team to create the demo model of Stirling Engine which is type of steam engine for conceptual understanding.
    - Developed this prototype to visually demonstrate thermodynamic cycles and energy conversion principles.
2. **Re-Engineering Legacy AISI D3 Punch inserts used in stamping into Tungsten Carbide Architecture.**
    - Re-Designed the punch inserts used for Stamping process to reduce the Burr formation and increase the tool life and productivity.
    - Optimized die clearances through precise geometric calculations to reduce punch force, minimize burr formation, and ensure clean part shearing.

- Developed comprehensive 3D models in SolidWorks and generated exact 2D technical drawings in AutoCAD to execute the retrofitted design.

ACHIVEMENTS

1. First Ranker in 12th Mechanical Maintenance subject in Junior college.
2. Conducted Carom competition event called Strikeathon as a Coordinator and Referee.
3. Led a team of 6 members to execute the TPO activities to improve communication skills.
4. Achieved overall CGPA (till 6th semester) of 8.30.

EDUCATION

Bachelor of technology in Mechanical Engineering (Perusing) **2023-2027**

Government college of Engineering, Karad.

CGPA – 8.30

Higher Secondary Certificate (12th) **Passed in 2023**

Laxmanrao Kirloskar junior College, Palus.

Percentage – 77.50%

Secondary School Certificate (10th) **Passed in 2021**

Pandit Vishnu Digambar Madhyamik Vidyalaya, Palus

Percentage – 93.40%

INDUSTRIAL VISITS

1. **Tata Power Generating Station, Bhira, Raigad, Maharashtra.**
    - Bridged theoretical knowledge with real-world applications by analysing 300 MW capacity power generation systems, including high-head impulse turbines and pumped storage units.
    - Studied the design and maintenance criteria for critical mechanical components: Pelton Wheel, Francis turbine, high-pressure housings, and manual/automated governor flow control mechanisms.
2. **Koyana Dairy Milk Processing Unit, Khodshi, Karad, Maharashtra.**
    - Learned different Thermodynamic milk processing techniques.

COURSES DONE/CERTIFICATION

1. Indian Knowledge System (NPTEL)
2. Manufacturing Processes and Technology (NPTEL)
3. Professional Course in AutoCAD (Udemy)

HOBBIES

1. Bike riding
2. Listening music