Raj Patil

rajpatil28112005@gmail.com | +91 7385570749 | Raigad

CAREER OBJECTIVE

To gain practical knowledge in mechanical engineering, enhance my technical and teamwork skills, and contribute to real-world projects while learning and growing professionally in a challenging and dynamic environment.

WORK EXPERIENCE

Mechanical Engineering • Internship Aug 2025
AV Engineers & Conveyor Systems, Pune, Chikhali

1. Assisted in design and maintenance of industrial conveyor systems 2. Gained hands-on exposure to mechanical components and site operations 3. Collaborated with senior engineers on documentation and workflow improvement

EDUCATION

B.Tech, Mechanical Engineering 2023 - 2027
Dr Babasaheb Ambedkar Technological University, Maharashtra

B.Tech, Artificial Intelligence And Machine Learning (Minor Degree) 2023 - 2027
Dr Babasaheb Ambedkar Technological University, Lonere

Senior Secondary (XII), Maharashtra State Board Of Secondary And Higher Secondary Education 2023
Science

Chhatrapati Shivaji Jr. Science College, Jalgaon

Percentage: 63.33%

Secondary (X), Maharashtra State Board Of Secondary And Higher Secondary Education 2021
Late. G. N. Chandsarkar Madhyamik Vidyalaya, Pimprala, Jalgaon

Percentage: 80.20%

TRAININGS / CERTIFICATIONS

Bajaj Manufacturing Systems
Jul 2026 - Aug 2026

Bajaj auto Ltd., Virtual

Lean Manufacturing & Process Optimization, Quality Control & Six Sigma Basics, Automotive Assembly Line Operations, Supply Chain Management, Project Management, Sustainability Practices

Advanced Automobile Design
Mar 2026

Tata Technologies, Virtual

Body in White, Plastic & Trims

Fundamentals Of Automobile Design
Feb 2026

Tata Technologies, Virtual

Design Analytics, Product Design, Technical Design, Manufacturing Processes

Autocad
Jan 2024 - Feb 2024

Acmegrade, Virtual

PORTFOLIO

Portfolio link ↗

PROJECTS

Mechanical Can Crusher

May 2026 - Jul 2026

What: Designed and fabricated a low-cost mechanical can crusher for aluminum beverage can recycling. How: Built using lever mechanism with pivot system and mild steel frame. Manual operation converts small input force into large crushing force Works: Reduces can volume by 80% without electricity or hydraulics. Simple, portable, and easy to maintain. Efficient: Low cost, suitable for households, schools, and recycling centers. Future Scope: Pneumatic actuation, automatic feeding, motorized drive, sensor integration for better productivity.

Seminar: Solar Thermal Energy

Nov 2025 - Dec 2025

1. Researched and presented on solar thermal applications in industrial heating 2. Analyzed efficiency, cost, and scalability of solar thermal systems

SKILLS

- Teamwork
- Time Management
- Problem Solving

EXTRA CURRICULAR ACTIVITIES

- DBATU - MESA Secretary Championed transparency in workflows. Revitalized "Ransangram" to record participation. Led Farewell & Fresher's for hundreds. Secured all admin permissions. Guided team collaboration & responsibility.
- Savishkaar DBATU- Coordinator Led "Career Catalyst" (DBATU 2026); managed logistics, speakers. Ran weekly GDs for skills. Built networks with faculty, experts. Mentored peers on soft skills. Executed planning for high attendance & feedback.
- National Service Scheme - Student Volunteer KRIDA MAHOTSAV: Hydration mgmt for 20+ units AVHAN 2024: 1st aid, evacuation. Led AVISHKAAR reports. Executed ENVIRONMENT DAY, BLOOD DRIVES. Skills: Logistics, Leadership, Crisis, Docs, Service.