

# PRANAV PRADIP PATIL

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## Career Objective:

Final year Mechanical Engineering student with knowledge of CAD modeling, manufacturing processes, CNC/VMC operations, and basic HVAC and automation concepts. Experienced in academic projects involving hydraulic systems and interested in engineering design, industrial automation, and field engineering. Quick learner with strong problem solving and teamwork abilities

## Education:

### B.Tech in Mechanical Engineering (2023 – 27)

JSPM's Rajashri Shahu College Of Engineering, Pune

CGPA: 8.49/10 (till V semester)

### Senior Secondary (XII) (2022 - 23)

Sadguru Gadge Maharaj College, Karad

Percentage : 58.50%

### Secondary (X) (2020 - 21)

Panchkroshi Datta Vidya mandir, Helgaon

Percentage : 91.00%

## Technical Skills:

- CAD Modeling and Drafting
- Fundamentals of HVAC Systems
- Basics of Building Management Systems (BMS)
- AutoCAD | SolidWorks | CATIA |
- CNC and VMC Operations
- Basics of ANSYS and CFD
- MATLAB (Beginner Level)
- Manufacturing Processes
- Engineering Drawing
- Machine Design Fundamentals

## Soft Skills:

- Problem Solving
- Time Management
- Strong Adaptability
- Good Communication

## Internship:

Virtual Intern – Electric Vehicle Design & Simulation

- Working on electric vehicle design concepts including battery management systems, electric drivetrain, and motor selection.
- Studying vehicle dynamics, charging systems, and thermal management in EVs.
- This helps me to improving my technical skills in design, problem-solving, and engineering analysis.

## Academic Project:

Hydraulic Two-Wheeler Stand | Final Year Project

- Designed and fabricated a hydraulic stand to lift two-wheelers with less manual effort.
- Worked on hydraulic mechanism design, material selection, fabrication, and testing.
- Improved safety and ease of vehicle maintenance.
- Gained practical exposure to mechanical design, teamwork, and problem-solving.

**Extracurricular Activities:**

Participated in technical workshops and seminars related to mechanical engineering. Assisted in organizing college events and coordinating with team members. Active participation in sports activities.

**Certifications:**

- Diploma in CAD/CAM/CAE – BECIL
- CNC and VMC Training - JSPM's RSCOE, Tathawade

**Languages Known:**

- | Marathi | Hindi | English |