

PATIL PIYUSH RAVINDRA

B.E. - Mechanical Engineering

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PROFESSIONAL SUMMARY

Mechanical Engineering student with a strong academic record (CGPA: 9.10) and hands-on experience in CAD design using CATIA V5. Proven leadership background through technical team management and student development initiatives. Seeking internship opportunities in design and product development.

EDUCATION

B.E. Mechanical Engineering (2nd Year) – DY Patil Institute of Technology, Pimpri

CGPA: 9.10

HSC (12th Grade) – 68.63% – Tatyasaheb Musale Jr. College, Ichalkaranji

SSC (10th Grade) – 90.20% – Green Valley Public School, Peth Vadgaon

TECHNICAL SKILLS

- **CAD Tools:** CATIA V5
- **Simulation:** ANSYS (Basic)
- **Tools:** MS Excel, Technical Documentation
- **Soft Skills:** Leadership, Communication, Problem Solving, Teamwork

PROJECTS

Single Cylinder Engine Assembly *CATIA V5*

- Designed and assembled 10 components using parametric modeling and assembly constraints
- Applied best practices in 3D modeling to ensure dimensional accuracy and part compatibility

Valve Assembly *CATIA V5*

- Developed a complete valve mechanism using precision modeling techniques
- Demonstrated proficiency in constraint-based design and component relationships

Drone Assembly *CATIA V5*

- Designed a complete quadcopter drone frame assembly in CATIA V5, incorporating lattice-structured arms and a hexagonal electronics enclosure
- Demonstrated proficiency in part modeling, assembly constraints, and component relationships across a multi-body UAV structure

SEMINARS & WORKSHOPS

- Attended a Guest Lecture on Product Design Process in Industry – gained insights into real-world design workflows and industry practices
- Participated in a CATIA V5 Student Development Program (SDP) – hands-on training in 3D modeling and assembly design

POSITIONS OF RESPONSIBILITY

Technical Head & R&D Head – Team Envisioners

- Led 10+ technical sessions, facilitating learning for a group of 50+ students
- Organized and conducted 2 Student Development Program (SDP) sessions
- Coordinated team activities and managed cross-functional technical initiatives

Research Head – Srujanam Club

- Directed club research activities including paper writing and literature reviews
- Guided members through structured research methodologies and documentation

EXTRA-CURRICULAR ACTIVITIES

- Conducted and taught a Student Development Program (SDP) session on CATIA V5 under Team Envisioners, training students in 3D CAD modeling
- Volunteer at ICSI (Institute of Company Secretaries of India) – supported organizational and event activities
- Actively participated in College Cultural Events, contributing to campus life and team coordination

CERTIFICATIONS

- CATIA V5 Certification
- MS Excel Basics Certification
- NPTEL Certification – Design Thinking: A Primer

ACHIEVEMENTS & MEMBERSHIPS

- Achieved a CGPA of 9.10 – demonstrating consistent academic excellence
- Participated in VISHWANOVA 2026, a National Level Project Competition at Dr. Vishwanath Karad MIT World Peace University, Pune, presenting the project Friction Stir Welding (FSW) on Aluminium
- Led multiple technical teams and student development programs
- Active member – ISHARE Pune Chapter