Omkar Patil



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Sangli

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INTERESTS

Pump industry — Want to work with Kirloskar brothers limited, Kirloskar Ebara pump ltd and any other pump industry

PROFILE

Mechanical Engineering student with practical experience to CAM design , manufacturing , CNC , and industrial projects . skilled in CATIA , creo , AutoCAD , 3D modeling and CNC programing with experience in internship machine design and technical competitions.

SKILLS

- **CAD & Design:** CATIA, AutoCAD, Creo, SolidWorks, 3D Modelling
- **Manufacturing:** CNC, VTL, Machining, 3D Printing, Manufacturing Processes
- **Automation:** Arduino, PLC Fundamentals, CNC G-Code
- **Engineering:** Metrology, Machine Design, NDT, MATLAB/Simulink

EDUCATION

B.Tech
Mechanical Engineering
Annasaheb Dange College of Engineering & Technology, Ashta
2027

INTERNSHIP

Getanand Enterprises (Pump Machining Industry)
10/2024 – 12/2024 | Palus

- Gained practical exposure to industrial engineering and machining processes.
- Hands on experience about the dispatch management of the completed jobs.

Anand Industry (Pump base Fabrication Industry)
12/2025 – 12/2025 | Palus

- Studied machining operations and welding operation in an industrial environment.
- Hands on experience about inventory data collection.

Tata Consumer Products – Organic India, Lucknow
06/2026 – 08/2026 | lucknow

- Worked on an industrial **energy consumption reduction** project focused on electrical lighting.
- Conducted lux-level measurements and evaluated opportunities for reducing unnecessary lighting consumption.

PROJECTS

Automatic Crop Planting Machine – TIFAN Project

- Designed and developed an automated planting machine for crops such as chilli, tomato and brinjal.
- Worked on mechanical design, seed dispensing, conveyor mechanism and fabrication concepts.

Magnetic Engine System

- Developed a conceptual engine model using magnets and copper coils to study electromagnetic motion generation.
- Worked on mechanical components, 3D modelling and prototype development.

Cooling Tower Fan Blade Angle Optimization – Tata Consumer Products

- Optimized cooling tower fan blade angle to reduce energy consumption while maintaining cooling performance.

CERTIFICATIONS

- National Level Certificate – TIFAN(**sponsored by John Deere**)
- National Level Certificate – DIPEX
- AutoCAD Certification
- NPTEL – Business to Business Marketing
- 5th Rank – College Business Plan Competition