

Dnyaneshwar Laxman Waghmare

♥ Near Durgeshwar Temple, Plot No 218, Sector 26, Pradhikaran, Nigadi, Pune 411044

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Objective

Motivated and forward-thinking Mechanical Engineering student in the final year at Pimpri Chinchwad College of Engineering, Pune, with a strong academic foundation and a passion for innovation. Adept at tackling complex engineering challenges and applying theoretical knowledge to practical projects. Committed to personal and professional growth, with a keen interest in Computational Fluid Dynamics (CFD), propulsion systems, and thermal/fluid sciences. Actively engaged in extracurricular activities and professional conferences, demonstrating strong communication and teamwork skills.

Education

Bachelor of Technology (B-Tech) in Mechanical Engineering

Pimpri Chinchwad College of Engineering, Pune

Percentage: 70.84

Final Year

2021-2024

Diploma in Mechanical Engineering

Government Polytechnic Nanded

Percentage: 95.04

2018-2021

Secondary School Certificate (SSC)

Saraswati Madhyamik Vidyalaya Janwal

Maharashtra State Board

Percentage: 85.00

2016-2017

Experience

Intern, CSIR-NAL Bangalore, Karnataka

Council of Scientific & Industrial Research National Aerospace Laboratory

May 2023 - July 2023

Intern, Pimpri chinchwad College Of Engineering, Pune, Maharashtra

Mar 2022 - June 2022

Academic Projects

– Miniature Liquid Combustor for Power Generation

Explored stable flame feasibility in ambient conditions. Engineered quartz combustor, ensuring stability, and conducted temperature measurements.

Tools: CFD Fluent, Excel.

– PulseJet UAV Propulsion System

Designed and tested pulsejet engine, analyzing fluid dynamics and thrust.

Tools: Excel, PowerPoint, CFD Fluent.

– High-Efficiency Screw Jack

Engineered precision for increased load capacity. Integrated safety features for diverse applications.

– A Comprehensive Exploration of Impulse and Reaction Turbine Performance

Explored applications through an in-depth study.

Technical Skills and Interests

- **Programming Languages:** C++
- **Developer Tools:** Sublime Text
- **Soft Skills:** Problem Solving, Critical Thinking, Work Ethic, Collaboration
- **Software Proficiency:** ANSYS, SolidWorks, Onshape, MS Office, PowerPoint, Open-FOAM, MS-Excel, etc.
- **Areas of Interest:** Design, CFD, Thermal & Fluid Science

Conferences Attended

- **National Aerospace Propulsion Conference at IIT Bombay 2022**
"NAPC -2022 IIT Bombay"
- **International Mechanical and Civil Engineering Conference at PCCOE, Pune 2022**

Extracurricular Activities

- Member of **ISTE Organization** - Indian Technical Education Society
- Technical Event Coordinator at **ISTE**
- Volunteer in the Training and Placement Cell
- Attended **MCCIA "EDU-FEST 2022"**
Maharashtra Chamber of Commerce Industries & Agriculture
- Member of **ISHRAE**
Society of Heating and Refrigerating and Air Conditioning Engineers

Languages & Hobbies

Languages: English, Marathi, Hindi

Hobbies: Numismatics, Exploring Classic Cinema