

Shubham Shikhare

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EDUCATION

MIT Academy of Engineering, Pune, India

Bachelor of Technology in Mechanical Engineering

Aug 2020 – Jun 2023

GPA: 9.33/10 Courses:

Automobile Engineering, CAD/CAM/CAE, Advance Computational Fluid Dynamics, Quality Engineering, HVAC

Shri Bhagubhai Mafatlal Polytechnic, Mumbai, India

Diploma in Mechanical Engineering

Aug 2017 – May 2021

Percentage: 90.7%

Courses: Thermal engineering, Fluid mechanics & Hyd.Machines, Automation, Automobile Engineering, Material Handling Systems, CAD/CAM/CAE

TECHNICAL SKILLS

Programming: MATLAB,

Business Intelligence: Advanced Microsoft Excel (Power Pivot, Vlookup, KPIs)

Technical Skills: Mechanical Engineering, Engine Calibration, Engine Testing & Management, Technical writing.

Soft Skills: Teamwork, Attention to detail, Time Management, Critical Thinking, Creativity, Leadership & Flexibility.

EXPERIENCE

Blue Star Limited, HVAC Intern – Revamp Department

Jan 2023 – Present

- Assisting senior HVAC engineers in designing and implementing heating, ventilation, and air conditioning systems for renovation projects
- Conducting site visits to gather data and perform measurements for system installation and maintenance in existing buildings
- Assisting in the preparation of project proposals, cost estimates, and equipment specifications for system upgrades and replacements

Invotec Automation Pvt Ltd, Manufacturing & Purchase Engineer

Dec 2019 - May 2020

- Evaluated existing manufacturing processes, identified areas for improvement, and implemented assembly line changes to increase efficiency.
- Planned and established production processes, ensuring high-quality standards were met and maintained.
- Managed pricing, transactions, and scheduling agreements in ERP system.
- Negotiated with suppliers and vendors on pricing, terms, and delivery schedules to ensure timely and cost-effective procurement of materials.
- Developed strong communication skills through effective collaboration with cross-functional teams to resolve production issues.

Foreign Language Club, Founder & President (Extra Circular)

Apr 2021 – Present

- Successfully created awareness about learning foreign languages among more than 10,000 students
- Motivated over 100 students to learn a foreign language
- Demonstrated strong leadership and communication skills through organizing events and managing club activities

RELEVANT PROJECTS

Numerical Analysis of Vertical Axis Wind Turbine (Ansys Fluent, Solidworks, Technical Writing)

Apr 2022 – May 2022

- Conducted a numerical analysis of a vertical axis wind turbine to evaluate its performance and efficiency.
- Utilized computational fluid dynamics (CFD) simulations and other analytical tools to analyze various parameters such as torque, power coefficient, and blade angle.
- Analyzed and interpreted data to optimize the design of the wind turbine and improve its performance.
- Presented findings and recommendations to the team, effectively communicating technical concepts and results.
- Demonstrated strong problem-solving and analytical skills in designing and executing the project.
- Presented paper at 9th Fluid Mechanics Fluid Power Conference at IIT Roorkee

Awards and Honors

- Award for Strengthening Indo-Japan Relations, issued by Indo-Japan Business Council in November 2022 for outstanding efforts in promoting cultural exchange and fostering strong relationships between India and Japan.
- Secured First Rank in TY B-Tech Mechanical Engineering at MIT Academy of Engineering
- Secured First Rank in SY B-Tech Mechanical Engineering at MIT Academy of Engineering
- Diploma Topper of Mechanical Engineering at Shri Bhagubhai Mafatlal Polytechnic 2019-2020