

# Vaishnavi Mahendra Pasalkar

B.E. – Mechanical Engineering  
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## Career Objective

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Motivated Mechanical Engineering graduate seeking an entry-level position or internship in the core mechanical domain, where I can apply my technical knowledge, problem-solving abilities, and hands-on experience to contribute to organizational growth while enhancing my professional skills.

## Education

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### AISSMS College of Engineering, Pune

B.E. – Mechanical Engineering

### JSPM Blossom Public School & Jr. College, Pune

12<sup>th</sup> – CBSE

77.4%

### JSPM Blossom Public School & Jr. College, Pune

10<sup>th</sup> – CBSE

70%

## Internship

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### Indian Railways – Diesel Locomotive Shed

Dec 2024 – Jan 2025

- Assisted in designated sections of the locomotive shed and observed maintenance operations.
- Maintained daily work records and reported activities to the assigned supervisor.
- Worked on preventive maintenance practices and recycling of components.
- Completed an assigned project to understand industrial workflow and teamwork.

## Projects

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### Automatic Solar Panel Cleaning System

- Designed an automated cleaning mechanism to improve solar panel efficiency.
- Performed data collection, system analysis, and technical presentation.
- Developed leadership, teamwork, and presentation skills.

### Refcool Solutions – Refrigeration System

- Developed a refrigeration system as per customer requirements and company guidelines.
- Assisted in system design, component selection, and understanding of refrigeration cycles.
- Gained exposure to industrial refrigeration standards, safety practices, and troubleshooting.

## Skills

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- Teamwork and Leadership
- Time Management and Multitasking
- Presentation and Communication Skills
- Data Analysis
- Professionalism and Adaptability

## Achievements

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- Secured 3<sup>rd</sup> Rank in Presentation of Standards Competition organized by Bureau of Indian Standards.
- Secured Silver Medal in *Entrepreneurship & IP Strategy* course offered by NPTEL.

## Extra-Curricular & Co-Curricular Activities

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- Member, Bureau of Indian Standards (BIS) Club.
- Department Coordinator, NSS (2022 – 2023).
- Event Coordinator and participant in multiple engineering events.
- Coordinator, Shivanjali Annual College Fest (2023, 2024, 2025).

## Personal Details

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Date of Birth: 09 December 2003

Gender: Female

Marital Status: Single

Languages Known: English, Hindi, Marathi

## Interests

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Bharatanatyam, Dancing, Traveling, Badminton, Baking