

Sakshi Sawant

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Summary

Mechanical Engineering student with internship experience at Central Railway and hands-on exposure to mechanical design and engineering projects. Proficient in AutoCAD, SolidWorks and ANSYS, with strengths in teamwork, research and analysis, quality control, presentations and problem-solving. Experienced in mechanism design, prototype development, fabrication, assembly and testing.

Experience

Central Railway – Navi Mumbai

Dec 2025 – Feb 2026

Intern

- Gained practical exposure to mechanical engineering operations and railway workshop activities.
- Worked in the EMU POH Workshop at Sanpada as part of the Central Railway internship.
- Developed practical understanding of quality control, problem-solving and teamwork in an engineering environment.

Education

Fr. C. Rodrigues Institute of Technology – Navi Mumbai

Expected Jun 2027

Bachelor of Technology in Mechanical Engineering

Bharati Vidyapeeth Institute of Technology – Navi Mumbai

Jul 2024

High School Diploma

- Final Grade: 82.90%
- Completed coursework: AutoCAD (2022), SolidWorks (2023)

Projects

Design and Development of Prototype of Flipper Mechanism

- Designed and developed a functional prototype of a flipper mechanism.
- Worked on mechanism design, component selection, fabrication, assembly and testing.

Nickel-Based Coating on Stainless Steel Alloy

- Studied the application of nickel-based coating on stainless steel alloy.
- Investigated its potential to improve surface performance and durability through enhanced resistance to corrosion and wear.

Reliability Analysis and Performance Improvement of Mechanical Components

- Worked as a project team member on reliability analysis of mechanical components.
- Identified potential failure modes and evaluated factors affecting component performance.

Technical Skills

CAD / Design AutoCAD, SolidWorks

Analysis ANSYS, Research and Analysis

Engineering Quality Control, Mechanical Design, Prototype Development, Fabrication, Assembly and Testing

Soft Skills Teamwork and Collaboration, Problem-Solving, Presentations, Quantitative Skills