

Naval Shivshankar Dahitane

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Objective

Aspiring Mechanical Engineer aiming to utilize my skills in design, analysis, and problem-solving for organizational growth.

Experience

- Rudra engineering and fabrication** 17-10-2025 - 10-1-2026
Part time job
During my internship at the Tool Room, I gained hands-on experience working on lathe and milling machines. I learned basic machining operations and safe machine handling. I also developed skills in job costing, including estimating material and machining costs. Additionally, I gained practical experience in quality inspection, using measuring instruments to check dimensions and tolerances. This internship improved my technical skills and understanding of manufacturing processes.
- VFM Automation** 15-1-2026 - 15-5-2026
Junior Designer(intern)
Worked as a Junior Design Engineer and Toolroom Supervisor, responsible for designing and developing jigs, fixtures, and tooling solutions, preparing 2D and 3D CAD drawings, and supervising toolroom operations involving CNC and conventional machining. Coordinated with production teams to ensure timely project execution, maintained quality standards, and managed manpower and machine utilization to improve productivity and workflow.

Education

- BSGM High School(SSC Board)** 2020
10th
86%
- Shivchhatrapati college of science(HSC Board)** 2022
12th
76.83%
- MIT CSN** 2026
B.tech in Mechanical Engineering.
4 th year-7.47

Skills

- Completed training in AutoCAD with hands-on experience in 2D drafting and 3D modeling; working knowledge of CREO and SolidWorks.
- 1. Communication 2. Teamwork 3. Problem-solving 4. Time management 5. Leadership 6. Adaptability 7. Critical thinking

IT Skills

- MS Project, MS Word, Excel & Power Point.

Project

- Design and manufacturing of a model for energy harvesting from human footsteps**

Energy harvesting from human footsteps is a sustainable method of generating electrical power by converting the mechanical energy produced while walking into usable electricity. This system typically uses piezoelectric materials, electromagnetic generators, or triboelectric mechanisms embedded in floor tiles or shoe soles. When a person steps on the device, the applied pressure creates mechanical deformation, which is then transformed into electrical energy.

The harvested energy can be used to power low-energy devices, such as LEDs, sensors, or charging modules, and can even be stored in batteries or capacitors for later use. The design and manufacturing process

Interests

- Participating in competitive sports, demonstrating teamwork and leadership
- Practising photography or creative design.
- Engaging in chess or other strategy games, enhancing problem-solving skills
- Product design and development
- Machine Designing

Personal Dossier

- Date of birth:31/03/2004
Age:21
Marital status:Unmarried
Linguistic abilities: English,Hindi,Marathi,Kannada.

Declaration

- I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.