

# Dharti Malpe

Portfolio | LinkedIn |

Location: Pune ,Maharashtra

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## DESIGN ENGINEER

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As a dedicated design engineer, I specialize in guiding projects through their entire lifecycle, from initial planning and conceptualization to rigorous testing and manufacturing. My proficiency in industry-leading software such as Siemens NX, SolidWorks, Solid Edge, AutoCAD, and CATIA enables me to deliver high-quality designs and solutions. My commitment to excellence and continuous improvement drives me to stay at the forefront of technology and industry best practices. Let's connect and explore how we can collaborate to bring innovative ideas to life!

## TECHNICAL SKILLS

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<b>Software</b>	: Siemens NX, SolidWorks, Solid Edge, AutoCAD,Creo
<b>Skill</b>	: 3D Modeling, 2D drafting, Sheet Metal Design,Assembly ,Geometric Dimensioning and Tolerancing
<b>Other</b>	: Teamcenter PDM Integration , Bill Of Material

## EXPERIENCE

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### Senior Design Engineer

4 Dimensions Infotech

10 July 2024 - Present

Location – Pune ,Maharashtra

- Utilized SolidWorks and Siemens NX to create detailed 3D models and 2D drawings for manufacturing.
- PDM Systems: Skilled in using Product Data Management systems to manage design data, control revisions, and enhance collaboration.
- Implemented GDT principles to enhance product accuracy and manufacturability.
- Conducted feasibility studies and risk assessments for new projects, ensuring alignment with client specifications and regulatory standards.
- Developed comprehensive engineering documentation, including technical drawings, specifications, and reports.

### Design Trainee Engineer

4 Dimensions Infotech

April 2024 to June 2024

Location – Pune ,Maharashtra

- Assisted in the development of mechanical components and assemblies for various projects.
- Created detailed CAD models and technical drawings using AutoCAD and Solid Edge.
- Supported senior engineers in testing and validation activities, ensuring product reliability.
- Created 25+ design on CAD software..

### Apprentice

General Electric PVT LTDLocation – Pune ,Maharashtra

Jan 2021 – Aug 2021

- Conducted thorough inspections of manufactured parts to ensure adherence to quality standards.
- Utilized measurement tools and techniques for accurate assessment of components.
- Maintained detailed records of inspection results and prepared reports for management.

## EDUCATION

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### Sant Gadge Baba University

Bachelor of Engineering in Mechanical Engineering  
Percentage : 75.33

Amravati , Maharashtra

2020 - 2024

### Government Polytechnic

Diploma in Mechanical Engineering  
Percentage : 67.75

Amravati , Maharashtra

2016 - 2019

## PROJECTS

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### **Project**

#### *Water Filtration Plant*

- Successfully completed the design and development of a water filtration plant. The project involved comprehensive 3D modeling and detailed 2D drafting using Solid Edge, with a specific focus on piping design. This project highlights my ability to deliver functional and manufacturable solutions within specified project requirements.

### **Project**

#### *Special Purpose Machines "Conveyors"*

- Successfully completed a project focused on Special Purpose Machines (SPM) and conveyors using SolidWorks. The project involved extensive 3D modeling and detailed 2D drafting of SPM. My work emphasized creating functional and manufacturable solutions to meet specific project requirements.

### **Project**

#### *Motor case*

- Designed a motor case in SolidWorks, including base shapes, additional features, and detailed fillets/chamfers. Created comprehensive orthographic views with dimensions and annotations for manufacturing. Ensured accuracy and manufacturability through detailed review and refinement.

## ACHIEVEMENT:

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- Award : Received Second Prize in paper presentation
- Volunteer at P. R. Pote Patil College of Engineering in Techelonce

## PERSONAL DETAILS

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**Languages** : English, Hindi, Marathi  
**Date Of Birth** : ·10/08/2000  
**Nationality** : Indian  
**Gender** : Female  
**Hobbies** : Dancing, sketching  
**Strength** : Self-Motivated, Dedication towards my-work.