

Kaustubh Narvekar

Jr. Mechanical Engineer

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📍 Goregaon, Mumbai



PROFILE

As a Mechanical Engineer, I specialize in product design, optimization, and development, with expertise in CAD tools like SolidWorks, Creo, Fusion 360, and AutoCAD. I have experience in sheet metal design, surface modeling, reverse CAD design, and developing jigs and fixtures for mass production. I collaborate with cross functional teams, including robotics for motion testing, electronics for LED diffusion and jig design, marketing for display units, and logistics for palletizing solutions. My work focuses on improving design efficiency.

EXPERIENCE:

Jr.Mechanical Engineer

07/2023 – Present | Dadar East, Mumbai

Miko.ai

- Designed Product On sales Display unite for Sales team used in Hamleys and walmart.
- Designed LED Groove and speaker placement proto for wooden Chess Board.
- Design and ideation for Swapable Board for different games.
- Designed Body design using surfaces and Speaker enclosure.
- Designed assessories for product and Concept based designs
- Designed modular level componets suitable for DFMA.
- Mechanism design like camera shutter and head movement mechanism for prototype.
- Design of Jigs for testing of electronic components making it suitable for mass production testing.
- Packaging and Blister design for products.
- Rendering for Displaying product in Keyshot for international malls and exhibitions.
- Research and brainstorming for optimizing the components within the product to reduce price and make efficient use of resources.
- Palletizing and Stacking of products for logistics team.
- Testing and validation , QC and FAI of components at individual and component product level.

Portfolio

My Designs 

EDUCATION:

B.E. in Mechanical Engineering - 9.12 CGPA

05/2023

Rajiv Gandhi Institute of Technology, Andheri, Mumbai

Diploma in Mechanical Engineering - 9.10 CGPA

06/2020

Thakur Polytechnic, Kandivali, Mumbai

S.S.C. -81.40%

05/2017

Vivek Vidyalaya,Mumbai

SKILLS:

Prototyping Model Design •
DFMA Design •
Testing and Validation of product •
Jigs and Fixture Design •
Visual Rendering Design •
Packaging Design for product •
Software testing • AutoCAD •
Python, SQL • Ansys • Data Analysis

LANGUAGES:

English, Hindi, Marathi

PROJECTS:

Automatic Floor & wall cleaning machine

- The purpose of this project is to bring a product that involves wall and floor cleaning features.
- It reduced human efforts for cleaning as compared to cleaning with a mop manually.
- It can be used in large rooms like auditoriums, halls, etc.
- It can clean areas at a faster rate and at a moderate cost.

Mini Pocket bike

- Material selection of project.
- Documentation Work.
- Ideation about the concept of the project.

CERTIFICATION:

NX CAD Course - American Society of Mechanical Engineers 2022

Certification for actively participating in Nx CAD Course

CFD - Airflow around a spoiler

Coursera - Dec 2024

Automotive Industrial Engineering

Coursera - April 2025

Python for Everyone

Coursera - May 2025

Python & Statistics

Suven Consultants & Technology Pvt Ltd. -
June 2025