



SIDDHESH VAIDYA

An aspiring innovator and a curious mechanical engineer who likes to observe the world for inspiration to design and make things. I believe in paying attention to the details and delivering quality work.

CONTACT

E-mail
contactsiddheshvaidya@gmail.com

Phone
+91 8082639109

LinkedIn
linkedin.com/in/siddhesh-vaidya

Portfolio Website
siddheshv.wixsite.com/portfolio

SKILLS

Design
Engineering Design
Design Thinking
Design Research
Prototyping

Softwares
Fusion 360
Keyshot
Adobe InDesign
Adobe XD
Power BI

Workshop
Lathe Work
Machining
Paper Modeling

Other
Leadership
Team Player
Attention to Detail

EXPERIENCE

Innovation Catalyst Intern

TARBEJ Product Design Pvt. Ltd., Thane

April 2021 - present

- Accelerate the new and innovative product development by collaborating with the industrial design team and the engineering team.
- Design research and analysis - Secondary research and user research, extensive study of the available products, formulation design briefs, and product specifications.
- Ideation and new concept generation - New concepts, designs, ideas based on the insights from the research, documentaion of over 150 new ideas, new mechanism development for the concepts.
- POC Design - Quick mockups to understand the concepts, insights from the mockups to create functioning prototypes.
- Prototype development and testing - Engineering design of the prototypes using Fusion 360, collaboration with the vendors and electronics team to transform the CAD design into a functioning prototype, detailed documentation and planning for the prototype testing, desired results, and observations to be made.
- Constant interaction and coordination with the client, vendors, internal industrial design team, and engineering team to align every stakeholder of the projects to accelerate the overall process.

Product Development Engineer

Veego Instruments Corporation, Mumbai

2018 - 2020

- Design instruments and systems by collaborating with the core team, service team and the electronics team and create prototypes for testing.
- Develop standard operating producers for the manufacturing of these systems to improve the efficiency of production.

Projects

1. Syringe Pump and Fraction Collector -

- Designed two-instrument automated system as per the parameters and requirements given by the core team.

INTERESTS

Birdwatching
Wildlife Photography
Stargazing
Paper Craft

2. Modernization of sheet metal fabrication -

- Designed the sheet metal covers of instruments to give them a modern look and simplify the fabrication work and established a workflow for the production team.

3. Digital Vernier -

- Worked with the electronics team to develop a device for the precision measurement of the tablet.

EDUCATION

Innovation Programme

MIT Institute of Design, Pune

2020 - present

Projects

1. Muira Window - Human-centered Design

- Designed a window which with only 13% area is covered when fully opened.
- Human-centered Design process.

2. Sanskriti Bazaar - VR Design

- VR based interactive street shopping experience.
- Direct interaction with the shopkeeper for a bargain.
- Prototype in Unity Game Engine.

3. Insulin - Service Design

- Pre booking service according to the user's travel plan.
- Jobs to be done, Value proposition canvas, Stakeholder map, Customer journey map

4. Clothes Project - UI/UX and Writing

- An app to buy, sell and donate your pre-owned clothes to extend the life of them.
- User research, card sorting, personas, and wireframing using Adobe XD.
- An article to create awareness about the massive impact of the textile industry on the environment and an Instagram campaign to increase the reach.

Mechanical Engineering

Savitribai Phule Pune University, Pune

2014 - 2018

- First-class with distinction.
- Final Year Project - Automated Solar Panel Cleaning System.
- 1st runner up in State Level Project Competition by VIT, Pune.

HSC, Science

Sathye College, Mumbai

2012 - 2014

