



# SIDDHESH ARVIND UGALE

B.Tech. - Mechanical Engineering  
- MITAOE

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## BRIEF SUMMARY

Highly motivated and determined individual. Fond of learning new technologies to develop effective solutions by implementing my technical and analytical skills effectively. Seeking a challenging position that will enable me to continuously learn, implement, create, innovate and simultaneously contribute to the short and long term goals of the organization thereby facilitating our collective growth

## KEY EXPERTISE

Fusion 360 CATIA SolidWorks CAD/CAM ANSYS Workbench Design Team Leadership Communication

## EDUCATION

### Savitribai Phule Pune University

2019 - 2023

B.Tech. - Mechanical Engineering - MITAOE | CGPA: 8.36 / 10.00

### RYK SCIENCE COLLEGE, NASHIK, Nashik

2019

12<sup>th</sup> | MSBSHSE | Percentage: 62.15 / 100.00

### MARATHA HIGH SCHOOL, NASHIK, Nashik

2017

10<sup>th</sup> | MSBSHSE | Percentage: 89.80 / 100.00

## AWARDS AND SCHOLARSHIPS

- First Runner Up at Autodesk Futureskills India Additive Manufacturing Competition at National Level
- Best student of the club Digital Design Club MITAOE

## INTERNSHIPS

### Tresvista Financial services

16 Jan, 2023 - Present

Information Technology Intern

Key Skills:

API API Implementation IT Microsoft Azure Power platform Active Directory Power Apps Power Automate Darwinbox

### The Brand Odyssey

12 Sep, 2022 - 15 Jan, 2023

Web Designer & Developer

Key Skills: Wordpress UI Development UX Adobe XD CMS Web Design Web Development

### Northstar Detailing LLC, USA

01 Dec, 2021 - 15 Aug, 2022

Consultant

Key Skills: PHP AJAX JQuery HTML CSS SCSS Javascript MySQL SQL 3D Rendering

Worked on creating company's online presence (Website design and development) and workflow improvement (Portal for project management).

### Hindustan Aeronautics Limited

15 Jun, 2022 - 14 Jul, 2022

Mechanical Engineer

Key Skills: Hydraulics Pneumatics Mechanical Testing Manufacturing CNC Programming Design

Study of the manufacturing, Assembly & Overhauling (Repairs & Maintenance) process of ongoing aircraft projects in HAL. (Sukhoi-30, MIG-21, ALH, LCH, LCA)

### The Sparks Foundation

01 Oct, 2021 - 01 Nov, 2021

Web Developer

Key Skills: Front-End Web Development HTML CSS Javascript PHP

Design and website development for a fundraising NGO. Integration of payment gateway (Razoroay) using PHP.

## PROJECTS

### Design of gearbox

15 Jan, 2022 - 25 May, 2022

**Mentor:** Amit Belvekar | **Team Size:** 5

**Key Skills:** Gearbox Gears Shafts design Mechanical design CAD

### Design of knee scooter

01 Aug, 2021 - 30 Apr, 2022

**Mentor:** Sachin Dhavne | **Team Size:** 5

**Key Skills:** CAD Machine Design Drafting

Design of a knee scooter

### Rocker Bogie with caterpillar mechanism

01 Aug, 2020 - 30 Apr, 2021

**Mentor:** R. K. Patil | **Team Size:** 4

**Key Skills:** CAD Design Arduino UNO Electronics Drafting Mechanical design Additive Manufacturing

Performance improvement of the existing Rocker Bogie mechanism by integrating Caterpillar mechanism.

### Dashboard design & analysis of data (Bikebuyers)

**Key Skills:** Microsoft Excel Data Analysis

Design of dashboard for bike buyers dataset using Microsoft Excel

## PUBLICATIONS / RESEARCH / WHITE PAPERS

### AI Based Human Assistant robot

06 Jul, 2022

Patent | Patent | **Mentor:** Avinash Bhute | **No. of Authors:** 5

**Key Skills:** Design Electronics AI ML Raspberry Pi Arduino UNO OpenCV Python Home Automation

We have Designed AI Based Human Assistant robot which interacts with the human speech and works as user commands.

## ASSESSMENTS / CERTIFICATIONS

### Google UX Design Certification

**Key Skills:** UI Development UX UX Design Adobe XD Figma

## SEMINARS / TRAININGS / WORKSHOPS

### 30 Days of Google Cloud Program 2021 Institute Name: Maharashtra Institute of Technology

**Key Skills:** Google Cloud Platform

### Web Development Bootcamp

**Institute Name:** Udemy

**Key Skills:** HTML5 CSS Javascript JQuery

### Fusion 360 Masterclass

**Institute Name:** Autodesk

**Key Skills:** Fusion 360

### Solidworks Training

**Institute Name:** Online Course

## CO-CURRICULAR ACTIVITIES

- President at Digital Design Club, MITAOE
- Communicator at IUCEE, MITAOE
- Human Resource and Finance Head at E-Cell, MITAOE

## EXTRA CURRICULAR ACTIVITIES

- 10,000+ Wallpaper downloads on Zedge (Wallpaper Sharing Platform)
- Organised a 3D modelling competition for Digital Design Club MITAOE in association AUTODESK

## PERSONAL INTERESTS / HOBBIES

- Digital Sculpting
- Photography
- Cooking

## WEB LINKS

- LinkedIn - <https://www.linkedin.com/in/siddhesh-ugale/>
- Github - <https://github.com/Siddhesh-Ugale>
- Personal - <https://siddhesh-ugale.tk>

## PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

**Current Address:** A4, Pragati Hostel, Near Nikhil Grocery Mall,  
Vishweshwar Nagar, Alandi, Pune, Maharashtra, India - 412105

**Emails:** saugale@mitaoe.ac.in , ugalesiddhesh@gmail.com

**Date of Birth:** 27 Aug, 2001

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## REFERENCES

- **Dr. Avinash Bhute**  
(Associate Professor, MIT Academy of Engineering, Alandi)  
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