

# Himanshu Desai

## Undergraduate

I am an enthusiastic, driven, and hard-working undergrad pursuing a degree in mechanical engineering from the Vellore Institute of Technology. I try to learn new things every day, from everywhere possible, and optimize my work with my knowledge. I abide by the rules of the company and fulfill the given duties within the given time frame with the utmost precision.



✉️ [hadesai455@gmail.com](mailto:hadesai455@gmail.com)

📍 VADODARA, India

🐦 @Himanshu1347985

📞 +91-9879584431

🌐 [linkedin.com/in/himanshu-desai-547575214](https://www.linkedin.com/in/himanshu-desai-547575214)

📷 [instagram.com/@himanshudesai1110](https://www.instagram.com/himanshudesai1110)

## EDUCATION

### Higher Secondary School (12th) Delhi Public School Vadodara

04/2019 - 03/2020

Score: 92.4%

#### Courses

- PCM

### B.Tech. in Mechanical Engineering Vellore Institute of Technology

09/2020 - Present

Current: 9.01 CGPA (6th semester)

#### Courses

- Mechanical Engineering

## WORK EXPERIENCE

### CES Rotary Intern Reliance Industries Ltd.

05/2023 - 07/2023

Jamnagar, Gujarat

Reliance Industries: Indian conglomerate, founded by Dhirubhai Ambani. Diverse businesses - energy, petrochemicals, retail, telecom. One of India's largest firms.

#### Achievements/Tasks

- Condition Monitoring
- Vibration Analysis
- Regeneration Blower Maintenance

Contact : Mentor: Prasanna Sai Krishna - Mobile: +91 6352690414

### Intern Shakun Polymers pvt. ltd.

05/2022 - 06/2022

Vadodara, Gujarat

A polymer manufacturing company that specializes in compounding for the wire and cable market recently merged with a giant MNC, Alpha Gary.

#### Achievements/Tasks

- Work assistant
- Storage Management
- Polymer Manufacturing

Contact : Senior: Ashish Desai - Mobile: +91 9879584431

### Virtual Robotics Internship KODACY/SPACE

01/2023 - 03/2023

Vellore, TN

Robotics based company that works on microcontroller based unmanned vehicles

#### Achievements/Tasks

- Component Assembly
- Code testing
- Observation

### Core Member Hearts NGO Club VIT

10/2023 - Present

## SKILLS

Manufacturing

CAD/CAM/CAE

Simulation

ANSYS

Computational Fluid Dynamics (CFD)

MATLAB/SIMULINK

Web Development

HTML/CSS

Javascript

PHP

Java

Python

Supply Chain Management

## PROJECTS WORKED

### Sun-Tracking Solar Panels (07/2022 - 11/2022)

- Solar panel, which can track the movement of the sun throughout the course of the day and change its orientation accordingly

### Modular Drone Generative Design (12/2022 - 03/2023)

- Generative design for a drone with detachable wings and possible 2, 4, and 6-axis variations for different loads and heights

### Offline and Online Condition Monitoring (05/2023 - 06/2023)

- Root Cause analysis of the Regeneration Blower at DTA-HNUU plant in Reliance JMD using Vibration Analysis and providing recommendations for smooth operation of the blower.

## CERTIFICATIONS

### Autodesk CAD/CAM/CAE Specialization (04/2022 - 06/2022)

3D Modelling, Simulation and Manufacturing with Autodesk Fusion 360

### MATLAB Programming for Engineers (08/2022 - 10/2022)

Coursera MATLAB course offered by Vanderbilt University

### Transonic Aerodynamics & Aircraft Design (09/2022 - 02/2023)

Udemy: Complete masterclass on transonic aerodynamics and aircraft design.

## LANGUAGES

English

Professional Working Proficiency

Hindi

Full Professional Proficiency

Gujarati

Professional Working Proficiency

## INTERESTS

Singing

Reading

Gaming

Volleyball

Rubics Cube

Aerodynamics