



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.

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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 CGPA (5th semester)

Courses

- Mechanical Engineering

WORK EXPERIENCE

Intern

Shakun Polymers pvt. ltd.

05/2022 - 06/2022

Vadodara

A civil construction company that focuses on planning and building housing residences as well as factory outlets and plants for businesses.

Achievements/Tasks

- Work assistant
- Storage Management
- Polymer Manufacturing

Contact : Senior: Ashish Desai - Mobile: 9879584431

Core Member

HEARTS NGO VIT

10/2022 - Present

Vellore

A VIT based club & a non-profit organization that aims to help people with disabilities with their basic needs and help them achieve their goals

Achievements/Tasks

- Event Management
- Team Member

Virtual Robotics Internship KODACY/SPACE

01/2023 - 03/2023

Vellore

Robotics based company that works on microcontroller based unmanned vehicles

Achievements/Tasks

- Component Assembly
- Code testing
- Observation

SKILLS

Manufacturing

CAD/CAM/CAE

Simulation

ANSYS

Computational Fluid Dynamics (CFD)

MATLAB/SIMULINK

Web Development

HTML/CSS

Javascript

PHP

Java

Python

Embedded Systems

PROJECTS WORKED

Piezoelectric Floor Tiles (12/2021 - 04/2022)

- Mechanism of setting up piezoelectric cells that convert body force of walking into electricity for households and public areas

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 changes 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

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