Dharmesh Makvana

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About Me

I am passionate and dedicated to robotics, I specialize in designing, developing, and optimizing robotic systems that push the boundaries of innovation. With knowledge of mechanical engineering, computer science, and control systems, I thrive on solving complex technical challenges and integrating cutting-edge technologies.

Education

LD Collage Of Engineering, B.E in Mechanical Engineering   Sept 2017 – Sept 2021

- GPA: 8.13/10.0
- **Coursework:** Mathematics, Engineering Graphics, Mechanics of Solids, Engineering Thermodynamics, Kinematics of Machines, Fluid Mechanics, Manufacturing Processes,Heat Transfer, Control Engineering,CAD/CAM

IIT Gandhinagar, Ph.D in Robotics Engineering (Drop-Out)   July 2024 – Feb 2025

- GPA: 7.00/10.0
- **Coursework:** Introduction to Robotics, Control System, Mathematical Tools For Mechanical Engineers , Quadcopter Modeling and Simulation

Experience

Trelleborg Marine Systems India Pvt Ltd, Design Enginner   May 2022 – Nov 2022

- Design and Development of 2D and 3D Model
- Preparing Detailed Drawing For Fabrication
- Preparing QA/QC Documents

Courses and Certificate

Khodiyar CAD Center, SolidWorks   Oct 2021 – Feb 2022

- **Coursework:** Sketching, Part Modeling, Assembly, Drawings, Simulation , sheet Metal, Surfacing, Weldments

Khodiyar CAD Center, AutoCAD   Feb 2022 – Apr 2022

- **Coursework:** User Interface, Drawing Tools, Drawing Commands, 2D and 3D modeling, Rendering

Goethe Center Indo German Language & Cultural Society, German A1   Dec 2022 – Mar 2023

- **Coursework:** German articles, Declension of Nouns, Nominative and Accusative Cases, Conjugation of Verbs in Present Perfect, etc...

Launched Global, Embedded Systems   Mar 2025 – Apr 2025

- **Coursework:** Introduction and Basic Architecture of Embedded Systems, Communication Basics, Advanced Peripherals and Interfacing, Introduction of robotics, Capstone Project

Awards and Honors

Silver Award   Feb 2025

Silver Award in the field of education at Maker Fest Vadodara 2025

Technologies

Languages: C++, C, Objective-C, Python

Technologies: ROS, 3D printing, AutoCAD, SolidWorks, Embedded Systems, MATLAB