

SAURABH GANGAJALIYA

Mechanical Engineer

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CARRER OBJECTIVE

An optimistic and energetic engineer seeking the entry-level position to enhance the designing, automation troubleshooting, and team working skills to the best for growth and wellness of the Organization.

WORK EXPERIENCE

- Solidworks Executive on Caterpillar Signs Pvt. Ltd., Ahmedabad, Gujarat **2020-2021**
Design the custom covers which is perfectly fit the product and make the cut files for cutting the fabric.
- 3 Months (7th June 2019 to 7th September 2019) Internship in GUNATIT ELECTROPOWER PVT. LTD, as Design Engineer and assigned the task of designing the EOT (Electric Overhead Travelling) Crane Control System in Solidworks. **2019**

EDUCATION QUALIFICATION

- Bachelor of Engineering in Mechanical Engineering with 8.59 CPI & 8.79 CGPA, Gujarat Technological University, Marwadi Education Foundation Faculty of Engineering, Rajkot. **2016-2020**
- 12th Science with 89 % and 98.40 Percentiles, Gujarat Secondary and Higher Secondary Educational Board, The School of Science, Rajkot. **2016**
- 10th with 84% and 97.35 Percentiles, Gujarat Secondary Educational Board, Shree Sarasvati High School, Kalawad. **2014**

PROJECTS

- Automatic Hand Sanitizer
 - *During the Covid-19 Condition, By Using an Ultrasonic sensor, Arduino, and Small Pump, We make an Automatic Hand Sanitizer.*
- IoT Implementation in Centrifugal Casting **2019-2020**
 - *In the final year project with help of the Communication Module (Bluetooth, Wi-Fi, etc), We completed the task of Controlling the Pouring temperature and Pouring rate of the Liquid metal by controlling the temperature of the Resistance Furnace and Motion of the Graphite rod with Help of Microcontroller (Arduino Uno).*
- Voice Controlled Forklift **2018-2019**
 - *In the subject of Design Engineering (During Semester 5th and 6) with the help of Google Voice module, Microcontroller, and Bluetooth Module we completed our project of Controlling the All the Motion of Electric Forklift.*
- Bamboo Bicycle
 - *In 2019, Participated in ASME Efest at VIT, Vellore in Human Powered Vehicle Challenge in Which We Design the Bamboo Framed Bicycle for Weight Reduction and Robust design.*
- Robo-Soccer
 - *In 2018, I participated in ASME Efest at DTU, Delhi in the Student Design Challenge that has the task of designing the robots which play soccer and we design and code the robot.*

- Electromagnetic Braking System by Object Detection **2017-2018**
 - *Using Ultrasonic Sensor for Object Detection, Microcontroller, and Digital Relay we control the Braking System of Vehicle.*
- Voice Controlled Bluetooth Car **2016-2017**
 - *Using Microcontroller and Android application which connects the Bluetooth, Google Voice, and Microcontroller we can control DC Motors.*

TECHNICAL SKILLS

- Competent with Solidworks & Creo Module for 3D Modelling and Rendering.
- Competent with Ansys Workbench for the Analysis of 3D Model.
- Project Management
- Having a Basic Idea of DBMS(Data Base Management System)with SQL
- Have a sound knowledge of Arduino Coding and Circuit Design in Robotics Side.
- Have Basic Knowledge about Python 3.0 programming language.

CERTIFICATION & ACHIEVEMENTS

- Performed duties as Chief Executive of ASME (American Society of Mechanical Engineer) E-fest Asia Pacific 2020 hosted by Marwadi University
- Chairperson of ASME (American Society of Mechanical Engineering) Student Section at Marwadi University,Rajkot **2019-2020**
- Participated in Human Powered Vehicle Challenge as a Team Leader at ASME E-fest Asia Pacific 2019, VIT, Vellore, and Won the award of BEST INNOVATION IN ASIA.
- Participated in Student Design Challenge as a Team Leader at ASME E-fest Asia Pacific 2018, DTU, Delhi, and Secured the 4th Rank in Asia.
- Volunteered in ASME Efx 2018 hosted by Marwadi University
- Qualified in JEE MAINS (Joint Entrance Exam Mains).

INTERPERSONAL SKILLS

- Good Communication Skills
- Teamwork
- Self-Motivation
- Time Management
- Problem-solving

IT SKILLS

- Competent with Microsoft Office Excel, Word, and PowerPoint.
- Competent with Corel Draw and Photoshop for Banners, Posts, and LOGO Design.
- Operating System: Windows XP/7/8/10
- Coding Language: Arduino IDE

HOBBIES

- Virtual Gaming in PC
- Cricket
- Traveling

INTERESTS

- Research & Development
- Designing, Rendering, and Modeling
- Automation