

Harsh Patel(BE MECHANICAL)

Gujarat, India | harshpatel85433@gmail.com | +919664959131
<https://www.linkedin.com/in/harshpatel8339/>

EDUCATION

A.D.Patel Institute Of Technology, Anand, Gujarat June 2017-July 2021
Bachelor of Engineering in Mechanical Engineering
CGPA: 9.09/10 (85.8%)

Shri S.V. Shah Vidyavihar, Mahesana, Gujarat June 2016-May 2017
12th – Higher Secondary Certificate (HSC)
Percentage: 76% (90 Percentile Rank)

Urban Vidyalaya, Mahesana, Gujarat June 2014-May 2015
10th – Secondary School Certificate (SSC)
Percentage: 80% (97 Percentile Rank)

EXPERIENCE

Hindustan Petroleum Corporation Limited, Ahmedabad, Gujarat
Graduate Apprentice Trainee April 2022- March 2023

- Relcon automation system operation handling.
- Carried out density testing of gasohol- BS VI product at 15°C using hydrometer with regards to the API/ASTM standards.
- Carried out density testing of high-speed diesel (HSD) product at 15°C using hydrometer with regards to the API/ASTM standards.
- Temperature measurement of gasohol- BS VI and high-speed diesel product using the API/ASTM standards.
- Production supervisor for the compressed natural gas plant.

Technical sales Marketing:

- Sales marketing of petroleum products like diesel exhaust fluid meeting ISO 22241 & IS 17042 specifications
- collaborated and communicated with clients to better understand their petroleum product positioning, resulting in client satisfaction.

Jyoti CNC Automation Ltd., Rajkot, Gujarat

Mechanical Engineering Intern

- Understand the components of CNC machines and the operating principles of various types of CNC machines, such as vertical and horizontal machining centers and 3 Axis machining center.
 - Learn the basics of computer numerical control programming.
 - gain knowledge about various types of tools and inserts, as well as their properties.
- Learn about the Siemens Control Panel used in CNC Machine

Gujarat Machinery Manufacturer Pfaudler (GMM), Anand, Gujarat

Mechanical Engineering Intern

- Learn about the manufacturing of pressure vessels and glass-lined equipment
- Performance analysis of TIG welding on SS304 and SS316 Material

PROJECTS

Performance Analysis of Thermo Acoustic Refrigerator

- Designed the hot and cold heat exchangers in the resonator using solid works
- Calculation of the stack position and length using MATLAB
- Thermal analysis of heat exchangers using solid works
- Theoretical results are validated with experimental data using MATLAB.
- Performance analysis of the TAR system in the DELTAEC software
- Achieved The theoretical coefficient of performance (COP) for the TAR system is 0.951.

CERTIFICATIONS

- Six Sigma Principles | **Coursera**
- Six Sigma Tools for Improve and Control | **Coursera**
- Advanced Manufacturing Process Analysis | **Coursera**
- Supply Chain Logistics | **Coursera**

SKILLS

- | | |
|--------------------|---------------------|
| • SOLIDWORKS | • Planning |
| • AutoCAD | • Teamwork |
| • Basics Of MATLAB | • Communication |
| • SIX SIGMA | • Relcon automation |
| • Quality Control | • Microsoft excel |

ACADEMIC ACHIEVEMENT

- Qualified “Graduate Aptitude Test of Engineering (GATE)-2022”

Hobbies

- | | | |
|-----------------|----------------|-----------------|
| • Side hustling | • Book reading | • Manga reading |
|-----------------|----------------|-----------------|

LANGUAGES

English, Hindi and Gujarati

Hereby, I declare that the above information about Harsh Patel is true.