


# SNEHAL R PATEL


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## About Me

 **Mechanical Engineer**

 **Present Address:** R-002,Nand Nagar ,Chhani-  
Sokhada Road, Chhani, Baroda-391740

 **Permanent Address:** 189,Krushnadham row-house society ,  
Isanpur, Ahmedabad-382443

 **+91-7359759947**  
**+91-8200692655**

## Career Objectives

To work in a firm with a professional work driven environment where I can prove my abilities and apply my knowledge, skills which would enable me as an engineer to achieve the organizational goals with best my efforts.

## Education

Qualification	Board/University	Year	Percentage
B.E (Mechanical)	Parul Institute of Engineering and Technology	2014-2018	6.79 CGPA
H.S.C	Gujarat Board	2014	64.15%
S.S.C	Gujarat Board	2012	77.6%

## Academic Project

### Minor Project:

- Speed breaker electricity generation.**  
In this project we generated electricity by speed breaker, the main components Which used in project is roller, gears, dynamo, LED lights.

### Major Project:

- Thermal Performance analysis of helical heat exchanger with pitch effect .**  
In final year major project, we compared and analyzed the heat exchanger co- efficient one straight tube heat exchanger and two helical

## Internship & Visits

**Company** : Indian oil Corporation Limited(IOCL)  
**Duration** : One Month 25 May 2017 to 24 June 2017)  
**Performance** : Excellent

- Knowledge about industrial applications of different types of pump (centrifugal & dosing), Compressor, Mechanical-seals, Bearings, Heat exchanger, and about Safety valves, Flow control valves knowledge was obtained.

## Certificate

- A Certificate of Autodesk for autocad.
- A certificate of ASME quiz.
- A certificate of PMKVY.



## Skills

- Microsoft Office Word, Microsoft Office Excel, Microsoft Office Power Point, SAP system, Auto CAD (2D & 3D)
- **I have successfully completed certification course of Piping Engineer and Plant layout Engineer Software, P.D.M.S**
- Preparation of Piping General Arrangement Drawings.
- Preparation on Piping Isometrics.
- Development of Equipment Layout.
- Rack Piping
- Expansion Loop Design & calculation.
- Valve Datasheet & Nozzle Orientation.
- Pipe Support Span Calculations and selection of Supports.
- Preparation Of MTO (Material Take off)
- Pipe Wall thickness Calculation & PT Rating Selection.
- Dyke Wall Calculation & Miter Bend calculation
- Familiar with International Design Codes & dimensional Standards like ASME, API ,BS ,ASTM,IS etc

### **P.D.M.S. (Plant Design Management System) Skills:-**

- Standard Equipment Modeling, Nozzle creations, Obstruction volume etc.
- Pipe Work General Arrangements.
- In Pipe work Applications. MTO Preparation, Pipe Isometrics, Quick Report, Pipe Editing,, Pipe slope, Pipe Splitting, Data consistency, Clash check, Material Break-up, General Purpose attachment etc .
- In Structural Application. Grid modeling as per requirements, Beams & Columns, wall & Floor Modeling with fitting Ladder Modeling etc.
- In Draft Application. Equipment General Arrangement Drawing [GAD], Piping GAD, Sectional & Dimensional Views, Isometrics with Beam, Navisworks File Prepare, Overlay, Detailing and Dimensioning etc.
- In labeling application. Tagging of equipments and nozzles, Symbolic Label,2D drafting Symbols
- In Iso-Draft application. Standard, Detail & system-wise Isometrics Preparation.



## Experience

### **Currently working as Execution Engineer at Vijay Tanks & Vessels Pvt. Ltd**

- For fabrication of Pressure vessel,Columns,Reactors and process equipments as per drawings.
- Responsible for all pre and post fabrication activities like plate identification,marking,cutting,edge preparation,fit-up,welding etc as per requirement.
- coordinating between QA/QC,DESIGN,PROJECTS.
- **I am working on IOCL Barauni refinery BR 9 expansion project.**

### **Maintenance Engineer at Vijay Tanks & Vessels Pvt. Ltd.**

- Experienced in managing maintenance of Hydraulic machines for instance Hydraulic pre-punching machine, Rolling machine ,Hydraulic jacks and Power pack, Cranes.
- Assume responsibility for a safe and efficient execution of works on board and on site.
- Execute maintenance and repair works on board.
- Keep administration and registration of all inspected equipment up to date, on paper as well as in the available IT systems.
- Execute other duties as required.
- Conduct Periodic maintenance and subcontracted works to hydraulic systems.

**Company : Gujarat Alkalies and Chemicals Ltd, Dahej Complex**

**Designation : Graduate Apprentice Trainee in Mechanical Maintenance .**

- Knowledge and experience regarding planning & execution for chemical plant related mechanical maintenance activities Where I worked on types of pump (centrifugal & reciprocating), Compressor for Air & Nitrogen application, SS & CS piping related maintenance job for replacement, Technical team work force management, safety training & actions in day to day working for plant and people for jobs. Basic knowledge of SAP system.



### Extra-Curricular Activities

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- Executive Member of the Institution of Engineers(India).  
Participated in Model Rocketry Workshop



### Personal Details

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**Father's Name :** Rajnikant Patel  
**Date of Birth :** 30/05/1997  
**Gender :** Male  
**Nationality :** Indian  
**Marital Status :** Single  
**Languages :** English, Gujarati, Hindi

#### Declaration:

I do hereby declare that the above information is true to the best of my knowledge.

Yours Faithfully,  
**Snehal R Patel**

