

RAHUL N. PATIL

Address- D-105, Mahadev Nagar Society, Parvatgam, Limbayat, Udhana, Surat. Gujarat (394210)	Contact- Mob No- (+91)9762683016 / 8104683505 Email: rahullmech5@gmail.com																												
Career Objective:	Seeking a responsible career position, which will offer a high level of challenge responsibility and opportunity to contribute significantly to the growth of the organization by experience on design and research as well as develop additional skills.																												
Skills	Office Tools : MS Office Word, Excel, Power Point. <div style="margin-left: 20px;"> ➤ Extensive Knowledge of AutoCAD. ➤ Extensive Knowledge of Solidworks. ➤ Extensive Knowledge of Solidedge. ➤ Hands on experience of PV-Elite ➤ Extensive Knowledge of PLM Teamcenter </div>																												
Academic Records	B.E. in Mechanical: Sir Visvesvaraya Institute of Technology, Nasik. (Pune University). <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Examination</th> <th style="width: 25%;">University/Board</th> <th style="width: 15%;">Year of Passing</th> <th style="width: 45%;">Percentage of Marks</th> </tr> </thead> <tbody> <tr> <td>B.E</td> <td>PU Nasik</td> <td>2012-13</td> <td>69.2% (Distinction)</td> </tr> <tr> <td>T.E</td> <td>PU Nasik</td> <td>2011-12</td> <td>67%</td> </tr> <tr> <td>S.E</td> <td>PU Nasik</td> <td>2010-11</td> <td>66.73%</td> </tr> <tr> <td>F.E</td> <td>PU Nasik</td> <td>2009-10</td> <td>61.84%</td> </tr> <tr> <td>H.S.C</td> <td>Nasik Division</td> <td>2008-09</td> <td>73.50%</td> </tr> <tr> <td>S.S.C</td> <td>Gujarat Board</td> <td>2007</td> <td>81.85%</td> </tr> </tbody> </table>	Examination	University/Board	Year of Passing	Percentage of Marks	B.E	PU Nasik	2012-13	69.2% (Distinction)	T.E	PU Nasik	2011-12	67%	S.E	PU Nasik	2010-11	66.73%	F.E	PU Nasik	2009-10	61.84%	H.S.C	Nasik Division	2008-09	73.50%	S.S.C	Gujarat Board	2007	81.85%
Examination	University/Board	Year of Passing	Percentage of Marks																										
B.E	PU Nasik	2012-13	69.2% (Distinction)																										
T.E	PU Nasik	2011-12	67%																										
S.E	PU Nasik	2010-11	66.73%																										
F.E	PU Nasik	2009-10	61.84%																										
H.S.C	Nasik Division	2008-09	73.50%																										
S.S.C	Gujarat Board	2007	81.85%																										

Work Experience (Total Exp. 11 Years)	<ul style="list-style-type: none"> • Currently Working as Mechanical Design Engineer (Specialist) at “Enter Steel (Engineering)” at Tashkent Uzbekistan (From June 2022). • Enter Steel (Enter Engineering) is a leading provider of engineering technology in oil and gas sector. Enter engineering supply and service the products used by customers in process industries, refineries, pharmaceuticals etc. They are leading provider of pressure vessels, API tanks, heat exchangers Distillation Column etc.
Job Duties	<ul style="list-style-type: none"> • Detail weight calculation for all type of process equipments, pressure vessels, tanks,column, shell and tube type Heat exchangers etc. according to ASME section 8 Div.1 and TEMA standards. • Performing mechanical design calculation of pressure vessels, tanks and column as per ASME standard using Passat tool and PV Elite 25 (latest version). • FEA analysis for nozzles as per requirement of WRC and mechanical design calculation with FEA key like Nozzle Pro and Passat FEA tool license available. • Preparation of GA drawings of all type of vessels (static equipments) as per calculation (ASME section 8 Div.1 standard) using Auto Cad and SolidWorks tool. • Preparation of standard mechanical design excels sheets as per requirements in calculation as per ASME standards and mechanical datasheet. • Preparation of detail fabrication drawings for pressure vessel, receiver, tanks as per ASME standards as per requirement mentioned in mechanical datasheet. • Making of 3D models for complete assembly of vessel, column using solid works and compass tool as per requirement • Preparation of complete Bill of material (specifications) as per fabrication drawing for procurement and purchase. • Guiding to draughtsman for preparation of drawings etc. Work load distribution and submission management with team as per delivery time and requirement. • Performing task related to standardization of product and making of standard drawing templates with team. • Weekly visit to shop floor for product drawing clarification and technical clarification with supervisors.

**Previous
Job
Experience**

- **Johncrane Sealing Systems India,Pune as Mechanical Design Engineer (Oct 2019 to May 2022).**
- **Completed Detailed training on Mechanical seal support systems engineering in “JohnCrane Solaro, Italy” Plant.**
- Standardization of mechanical seal support systems using different product configurations and tools. Major role in making of automatic 3D creation tool supporting **Solidedge and Solidworks**.
- Review of customer technical requirements and technical specifications.
- Proposal standardization and making instrument datasheets, manuals for designing of seal support systems & seal package system.
- Design and detail engineering of equipments such as condenser, Heat exchangers, accumulator, pressure vessels, tanks etc.
- Making of general arrangement drawing (GAD) and **pipng & instrumentation diagram (PID)** for all API seal plans and chemical plants.
- Creation of detailed fabrication drawing for all API seal support systems plans using CAD (**Solidedge**) and some automation tools and maintaining all the data on **Team Center (PLM)** with proper standard system.
- Design of seal support system, pressure vessels, heat exchangers using API 682 and **ASME Section VIII Div-1**, B31.3 code standard.
- Design and modelling of process equipments like pressure vessels, tanks and heat exchanger on **PV Elite** software.
- Making of complete bill of material (BOM) with GPN system using **SAP** for procurement and manufacturing.
- Performing basic calculations for designing shaft and mechanical components as per requirements of project and deliverables.
- Supporting to global product managers and design team from **Italy, US, Netherland, china** to resolve technical issues and developing product & literature and training materials with handling team of 4 draughtsman.
- Delivering clear and complete drawings, analysis report, documentation, part list, engineering solutions as per the deliverables of assignments ensuring on time delivery.
- Providing training to new engineers and team members about system design and development, **3D Cad tools** for solid modelling etc. for proper project execution & in time delivery.

	<ul style="list-style-type: none"> • Developed detailed CAD project plans for large projects and provided assistance to engineering functional managers & programme with planning CAD deliverables and determining CAD resources. • Developing innovative designs to meet all requirements for performance, reliability, cost and manufacturability. • Accountable for following other departments working procedure and quality plans and work to improve them by continuous feedback on benefit, difficulties and client and subcontractor comments. • Continues visit to shop floor for product drawing clarification and technical clarification with supervisors. • Discussion with vendors and customers after doing specification review for technical clarifications for in time submission of project.
Previous Job Experience	<ul style="list-style-type: none"> • Venti Oelde India Pvt. Ltd. Mumbai as Mechanical Design Engineer. (March 2018 to Oct 2019) • Creating GA and fabrication drawings of centrifugal fans, scrubber tanks, pressure vessels using AutoCAD and ZW Cad. • Making solid & casted 3D models of equipment like material transport fans, High pressure centrifugal fans, dedusting fans, pressure vessels using SOLIDWORKS as per supplied data. • Design of shaft and precision equipments using design standards. Design of vessels using ASME code standard. • Checking and review of GA and fabrication drawings for centrifugal fans, vessels as per ASME standards. • Discussion with clients for the changes in GA and fabrication drawings as per requirements given in technical data sheets. • Discussion with vendors for the selection of bought out items like bearings, plummer blocks, Motors, Coupling etc. • Making of Bill of materials for the pressure vessels and total centrifugal fan assembly for the procurement of materials using ERP. • Visit to the fabrication shop on continues basis for clarifications about project with shop supervisors. • Played a key role in ensuring that all activities are complete by the design department and outsourced CAD work is also complete. • Made contribution in strengthening the R&D, machine design department and acted as resource base for engineering department.

<p>Previous Job Experience</p>	<ul style="list-style-type: none"> • Economy Process Solutions Pvt. Ltd. Mumbai as Mechanical Design Engineer. (Oct 2015 to Feb 2018) • Using computer-aided design to create detailed designs and specifications of rotary and static equipment like ATFD, ATFE. • Made GA and fabrication drawings of process equipments & heat exchangers and pressure vessels using AUTOCAD as per manufacturability. • Made 3D Layout for chemical plant, process equipment packages including equipment like heat exchanger, tanks, vessels and Vacuum system using SOLIDWORKS software as per supplied data. • Design of heat exchangers, storage tanks and pressure vessels using ASME standard and TEMA standard. • Design and modelling of process equipments like pressure vessels, tanks and heat exchanger on PV Elite software. • Made complete bill of materials for the process equipments for procurement and manufacturing. • Made all training materials for junior engineers and team members. Discussion with vendors for technical clarifications. • Weekly visit to shop floor for product drawing clarification and technical clarification with supervisors.
<p>Previous Job Experience</p>	<ul style="list-style-type: none"> • Technoforce India Pvt. Ltd. Nasik as Mechanical Design Engineer. (Oct 2013 to Oct 2015) • Worked on Solidedge for design of pressure vessels and process equipments like evaporators and dryers. • Worked on CAPSTURN (CAM) simulation for programming of mechanical components of the process equipments. • Worked on MASTERCAM simulation for programming of mechanical components of the process equipments. • Created CADD animation presentations for marketing and manufacturing to better illustrate performance and assembly of process equipments. • Worked on CATIA 3D software for modeling of all sheet metal parts used in vessels and process equipments. • Design of equipments using ASME (PV Elite) and TEMA and created assembly drawings of process equipments using Autocad and 3D software.

	<ul style="list-style-type: none"> • Creating GA and fabrication drawings of process equipments & heat exchangers and pressure vessels using Autocad and Solidedge. • Made 3D Layout for process equipment packages (Skid Mounted) including equipment like heat exchanger, tanks, vessels and Vacuum system using Solid works software as per supplied data. • Performed basic structural calculations and analysis using STAAD Pro software.
Strengths	<ul style="list-style-type: none"> • Ability to perform as a team player. • Ability to rapidly build relationship and setup trust. • Able to work without supervision. • Confident and determined. • Eager to learn new concepts. • Self motivated and able to work under pressure.
Personal Details	<ul style="list-style-type: none"> • Date of Birth : 1st January 1992. • Nationality : Indian. • Hobbies : Singing and whistling. • Marital Status : Married. • Languages Known : English, Marathi, Hindi and Gujarati. • Skype ID : rahulpatilmech. • Whatsapp No. : +91-9762683016

Declaration

I hereby declare that the information provided above is true to my knowledge and belief.

Place: - Tashkent

Date: -

Rahul N Patil
(BE Mechanical)