**RESUME**

**CAREER OBJECTIVE**

TO DEVELOP CONTINUOUSLY IN AN ORGANISATION WHICH GIVES OPPORTUNITIES FOR GROWTH, ENHANCES KNOWLEDGE & SKILLS ALONG WITH PRACTICAL EXPOSURE AND LEARNING WHICH WILL SUBSEQUENTLY ADD GROWTH TO SELF AND COMPANY’S BOTTOMLINE.

**PERSONAL INFORMATION**

Name : Snehal Pandharinath Raut

Graduation : B.E. in Mechanical engineering

Passed First Class with DISTINCTION from Sardar Patel College of Engineering, Mumbai

Add. Qualification : GATE exam qualified

Contact nos. : Mobile - 9819919437 (Self) / 9967677706

Email ID : [rautsnehal@gmail.com](mailto:rautsnehal@gmail.com)

Date of Birth : 2nd September, 1984.

Sex/Age : Female/ 32 yrs.

Marital status : Unmarried

Nationality : Indian

Languages known : English, Hindi and Marathi.

**CAREER OVERVIEW**

1. Total 11 years of experience
2. 8+ years of experience in design (manually and on softwares) of Static equipments for projects like Pressure vessels, Tanks, Heat exchangers, etc. using codes like ASME VII DIV. 1, DIV 2, API-650, TEMA, NACE, etc. for Oil and gas, agro process projects.

Also working in Power project like Surface Condenser unit for Client:Alstom Ltd.

1. 3+ years of experience in Rotary equipments like Blowers, pumps.
2. Softwares worked with/hands on:
3. Ansys- Mechanical APDL
4. Nozzle Pro
5. PV Elite
6. Navisworks
7. PDMS
8. SAP
9. AUTOCAD
10. MSWORD
11. MSEXCEL
12. Work experience in R&D Project: LINAC development in BARC.
13. Exposure to Design of Air conditioning, Ventilation and Pollution Control systems including rotary equipments like Blowers, Dust Collectors, Mist elimeliminators, etc.

**JOB EXPERIENCE**

1. TATA CONSULTING ENGINEERS LTD. (Dec. 2014 till Date)

2. TEMA INDIA LTD. (Dec. 2013 – Nov 2014)

3. R. P. ENGINEERS (Oct’12 - Dec 2013)

4. KEVIN (March ’08 – May ’11)

5. VAPCON (Dec ’06- March’08)

6. BARC/JBS (June ’05- June ’06)

7. L&T (June ’03- Jan’04) Inplant Training in Four year Diploma course

* **PROFESSIONAL EXPERIENCE INFORMATION**

1. **Name of the Present Company:** TATA CONSULTING ENGINEERS LIMITED

BUSINESS: Consulting services in Chemical industry, Oil and gas industry.

**Designation:** Mechanical Static engineer

**Role:** Activities involvedexecuting all activities related to static equipments like Tanks, Silos, vessels, heat exchangers, reactors, etc. using PV Elite software and as per Codes like ASME Section VIII Div. I, TEMA, API-650.

Activities included the following:

1. Basic engineering activities/ Activities pre-order stage: Design, preparation of MDS, fabrication drawings (if included in scope), Enquiry specification, resolvingcomparing technical competence of vendors through TBA, Conformance to Client specifications.
2. Detail Engineering/ Post order stage activities: Review and approval of vendor drawings including above, resolving site queries, etc.
3. Apart from executing 6 projects annually (including the below), also got opportunity of knowledge sharing and presentation giving training , presentations on STATIC to new joinees and other departments as per management schedule/planning.
4. Also worked on marketing front estimating manhours for proposal projects/ enquiries for domestic and international clients like SHAHEEN, DEEPAK FERTILIZERS, etc.
5. Received training on various aspects of engineering like Painting, Modular tanks, PTFE through vendor marketing presentations and Internal trainings.

**PROJECTS EXECUTED:**

1. Client; HML (Process Block), Location : Vietnam

Equipments: Vessels, heat exchangers, Stacks.

Working in this project helped me get more exposure to International projects. It helped me brush up/revise the existing knowledge of design codes and experience. Learned additional design aspects in tanks and Stacks.

1. Client: VINATI ORGANICS LTD.

Equipments: Vessels, heat exchangers, columns heat exchangers.

Working in this project gave me a varied knowledge on all static equipment design related to their orientation, size, design conditions.

1. Client: VACMET INDIA LTD., Location: Indore, India

Equipments : Silos and Tanks

Working in this project gave me an opportunity to learn more about Silos.

1. Client: GHARDA

Working in this project gave me an opportunity to learn more about WRC, Ansys software.

Presently working on projects with clients like Adani Mudra, Owens corning, Meghmani, Dejana.

1. **Name of the Previous Company:** TEMA INDIA LTD.

BUSINESS: Design, manufacture and supply of Heat Exchangers

(Specialized and Patent of Helixchangers)

**Designation:** Mechanical Design Lead engineer

**Role:**Mechanical Design of heat exchangers using PV Elite software as per Codes like ASME, TEMA, API,etc. and Client specifications.

Review, checking and resolving of technical documents like TDC, Heat treatment as per code / client specifications

Resolving shopfloor related issues like change in welding procedure as per fabrication feasibility, WPS, PQR, transportation, installation.

**PROJECTS EXECUTED:**

1. Client; TOYO/ EBR, Petrobras Offshore / FPSO, Location : Vietnam

(Order value approx. 40 Crores)

Total 40 Heat exchangers -Type: AES, NFU, AET.

1. Client: M/s Alstom / NTPC, Location: Nabhinagar

(Total Order value approx. 90 Crores)

Fabrication of Condenser - total 3 Units for Nabhinagar project as per already supplied/ executed similar project for Solapur plant.

1. Client: IOCL, Location: Haldia, India

(Order value approx. 5 Crores)

Total 9 Nos. Heat exchangers - Type AES.

Replacement of complete existing Heat exchangers and providing Helixchanger baffles.

1. Client: Pipavav, End user : ONGC, Location: Mumbai Offshore

(Order value approx.1.5 Crores)

Total 9 Nos. Heat exchangers - Type AET

Replacement of complete existing 2 Nos.Heat exchangers.

1. **Name of the Company:** R. P. ENGINEERS AND PROJECT CONSULTANTS PVT. LTD**.**

BUSINESS: ENGINEERIG AND PROJECT CONSULTING SERVICES FOR OIL AND GAS, PROCESS INDUSTRY

(MAJORCLIENT - ONGC, ONSHORE PROJECTS)

**Designation**: Mechanical engineer

**Role:**Overall checking and approving vendors/ LSTK’s Design and Drawings for various mechanical equipments in a Project.

Overall EPC project exposure right from Tendering activities to resolving site installation issues including exposure to piping.

Checking mechanical strength calculations & GA drawings for Storage tank- API 650 code, Heat exchangers as per TEMA and ASME codes, Pressure vessel as per ASME code, checking vendor drgs., installation feasibility of internal equipments like Agitators in pressure vessels, orientation of nozzles, P & ID as per PMS and PFD inputs, Plot plan, etc.

Executing drafting work from draftsmen, checking drawings, solving technical problems, discussing with client/ vendors.

Reporting management on bottle necks, progress, etc.

A short detail of my active participation in the following current Jobs:

1. Client: ONGC, Ankleshwar, Project : Effluent Treatment plant, Cost: 1.17crores
2. Client : USHER AGRO LTD., Project: Silica Extraction, Cost: 95 lakhs
3. Client: ONGC, Delhi, Project: Flare and other installations, Project cost: 95 lakhs
4. **Name of the company:** KEVIN ENTERPRISES P. LTD.

**BUSINESS:**DESIGN, MFG., SUPPLY AND INSTALLATION OF PRESSURE VESSEL INTERNALS

**Designation : Engineer (Mechanical Design)**

Below are the professional learnings at KEVIN:

* Learnt mechanical design of pressure vessel Internals and trays design using material stress values from ASME Sec. II, Part D.
* Studying datasheets, specifications given by clients like EIL, TOYO, UOP, UHDE, etc. and those given by process department for hydraulic data.
* Checking feasibility of design with respect to above given data and further making technical discussions with client and other departments (Process or Production) for the same.
* Checking installation feasibility of designed internals inside column.
* Interacting with sub-vendors, clients and consultants to get design documents approved.

Some of my contribution in jobs:IOCL, TOYO, GMM Pfaudler Ltd, Sanghvi organics P Ltd,

Prasol chemicals Ltd, etc.

1. **Name of the company: VAPCON**

**BUSINESS:** DESIGN, MANUFACTURE & SUPPLY OF AIR VENTILATION & POLLUTION

CONTROL SYSTEMS

**Designation:**Design Engineer

Learnt designing of air ventilation systems like dust collector, mist eliminator, selecting fans/blowers (SISW, DIDW, MW), design of belts for belt driven blowers, etc.

1. **Name of the company: BARC through JBS enterprises (1 year Contract)**

**BUSINESS:** JBS – Manpower services, BARC – Research Organization

**Designation:** Consultant Engineer

Worked on R & D project- LINAC development (between ECIL & BARC) for operation of High Vacuum Electrical Resistance furnace- Torvac to carry out processes like pickling, brazing, annealing of components at BARC.

1. **Name of the company: LARSEN & TOUBRO LTD.**

**Designation:** Trainee Engineer

Worked on SAP software for planning and managing materials for MCCB breakers and its accessories.

* **Education detail information:**

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| **Sr. No.** | **Qualification** | **Percentage** | **Institute / University** | **Year of passing** |
| 1 | B.E. in Mechanical engineering | 71.5 | Sardar Patel College of engineering /  Mumbai University | 2009 |
| 2 | Diploma in Mechanical engineering | 77.93 | Government Polytechnic Mumbai / Mumbai University | 2004 |
| 3 | S.S.C. | 68.67 | St. Joseph's High School / Mumbai University | 2000 |
|  | **Additional Qualification** |  |  |  |
|  | GATE Qualified | 86 percentile | Held by IIT institutes | 2012 |
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| **RESIDENTIAL ADDRESS:** | **PERMANENT ADDRESS:** |
| B.I.T. Bldg. No. : 3/1/18,  Near Sandhurst road railway station,  Chinchbunder,  Mumbai – 400009 | At Post-: Jaitapur, Anantwadi,  Taluka – Rajapur,  District – Ratnagiri  Ratnagiri – 415 805 |