

Mayur Sahebrao Patil

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Career Objective

To join an organization that shall lead to my professional and technical growth and in turn to be a contributing factor in the growth of organization.

Profile Summary

Experienced & skilled **Mechanical Design Engineer** with total 2+ years of experience in computer aided 3D modelling of different metal casting models and forging parts, complex assembly, rotating equipment and detailed manufacturing drawings, Comprehensive understanding of design processes, Design for manufacturing (DFM) and Design for assembly (DFA).

Professional Experience (2 Year 3 Month)

1) Current Employer: AESSEAL INDIA PVT. LTD, PUNE

Company Profile: Manufacturer of Mechanical Seal and support system.

From: 23 OCT. 2016 to TILL DATE (1 year 4 months).

Designation: Design engineer.

Job Profile:

- Utilization of software's like **Catia V5 & Solid edge** (Model of casted glands, Shaft sleeve, Pumping Scroll as per API and ISO / DIN / ANSI standards etc.). And **Teamcenter 10** (control of product data and processes, including 3D designs, documentation, and bill of materials etc.)
- To provide suitable mechanical seal design to the customer by understanding their pump drawings, product and various environmental factors in detail.
- To create design and generate solid models for mechanical seal for various API / NON-API pumps.
- Defining of raw material / stock size required and unique stock code for each part & creation of Bill of material as per organization standards, with the help of **SAP**.
- To create general arrangement & manufacturing drawings with assistance to CAM & manufacturing dept.
- To complete engineering change for revised drawings as per relevant procedures.
- To create pump documents, tabulated drawings for various types of pumps as per company requirement.
- To handle special assignments as assigned by manager.

Projects: (Major Industrial Projects)

A) Standardization of seals.

B) Lindsey Oil Refinery.

C) ITT Goulds Pump Ltd.,

D) Stock-Code data for SAP.

2) Previous Employer: MAHINDRA SONA LTD, NASHIK.

Company Profile: Manufacturing auto component like Propeller shaft, Universal joint, Clutch assembly and Steering system parts.

From: 7 AUG. 2016 to 6 AUG. 2017 (1 year).

Designation: Graduate trainee engineer (design dept.)

Key Role:

- Utilization of software's like **Unigraphics Nx 10 & Autocad** for drafting and modeling of a component.
- Providing detailed manufacturing drawing of a product to manufacturing dept. as per customer standards.
- Concept development, feasibility study and design analysis of new product.
- Modifications in fixture & tooling's as per product manufacturing process.

Skill sets

- Best hands on 3D Modelling with various CAD tool's like Solid Edge, Catia V5, Unigraphics Nx 10, solid works, Autocad 10.
- Knowledge about application of GD&T, API piping plans and API 682 standards.
- Knowledge of PPAP (production part approval process) Documents.
- Knowledge of CNC Programming and operations using FANUC controls.
- Knowledge of various machining operations like turning, milling, broaching, boring, grooving, drilling, spot facing etc.

Educational Qualifications

B.E. (Mechanical): Pune University – Marks 65.40% (2015-16).

HSC: Maharashtra Board: Marks 70.5% (2011-12).

SSC: Maharashtra Board: Marks 86.36% (2009-10).

Personal Details

Strengths: Adaptability & Flexibility
Quick learner & Optimistic.

Languages Known: Marathi, Hindi, English.

I hereby declare that, above information is true to the best of my knowledge and belief.

Date:

Place:

Mayur Patil.
(B.E. Mechanical)