Vishal Gajjar
Mechanical Design Engineer

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Anand, India

Profile Info

I am interested in working with your corporation and believe that my skill, passion and experience will contribute to achieve corporate goals while growing in my career. To obtain a job as Mechanical Engineer in a challenging work environment and utilize my problem-solving skills

Profile Highlights

It will be great if I can get an opportunity to discuss my mechanical engineering experience. I am working in new product development projects. Designing and developing products in CAD as per customer specification engineering calculation and requirements and carried out proper design suggestions and solving technical engineering problems.

Core Competencies

- Strong initiative
- Process Design, Development and Implementation
- Excellent problem-solving skills
- Team Management
- Adaptability
- Effective technical skills.
- Mechanical Troubleshooting
- Creativity

Technical Skills

- Autodesk AutoCAD 2018
- Solidworks
- Autodesk Inventor
- MS (Microsoft Specialist)
- NX Unigraphics Designing
- Geometry & Dimensioning

WORK EXPEREINCE

Mechanical Design Engineer | Sep 2018 –Present
FLUID LOGIC SYSTEMS PVT LTD (A Joint Venture Company with Voith Turbo, Germany) AHMEDABAD, Gujarat
Profile: Detail Design Engineering

Duties/Responsibilities

- I am responsible to Understand end customer application and then Prepare B.O.M And circuit as per application along with Site piping estimation.
- Perform necessary engineering calculation sizing & adequate oil reservoir, termination, piping flexibility, mobility as per client's enquiry.
- Prepare action plan for releasing mfg. drawings of long lead items which is to be manufactured by different vendors.
- Prepare General arrangement drawings (GAD), for customer approval.
- Prepare detail manufacturing and assembly drawings for hydraulic cylinders along with QAP and Vendor development for same.
- Releasing part drawings of HPU (Hydraulic Power unit) for planning and quality control department.
- Releasing assembly drawings with GD & T for assembly department with consideration of maintainability, human ergonomics, Centre of gravity and assembly feasibility and assembly procedure.
- Selection of flanges and fittings hoses as per ANSI Class 3 standard.
- Designing of oil reservoir with consideration of heat dissipation, laminarity of flow and durability with site conditions like vibration, environment.
- Releasing step files of hydraulic manifold blocks after review and checking path and special cavity for atomised vertical machining method.
- Also done pipe routing for compact mobile hydraulic application with consideration of vibration, pressure losses, maintainability for heavy construction equipment.

PROJECTS:

1) Modification and Performance Analysis of Double Pipe Heat Exchanger with Using Nano Fluid and Coolant (2017 – 2018)
2) To Reduce Wear-Tear, And Improve Quality of The Fastener (2014-2015)
3) Automatic Pesticide Spray Pump (2016-2017)

EDUCATION

Bachelors of Engineering | Aug 2015- June 2018
Gujarat Technological University, India

Diploma Mechanical Engineering | Aug 2012- May 2015
Gujarat Technological University, India

Trainings:
- Oswal Machinery Limited, Anand
- Wingston Bearing Mfg. Ltd, Surendranagar
- Ultra-Fastener Pvt Limited, Surendranagar

AREA OF INTEREST

— Advanced Machining Processes
— Quality control and Quality assurance Processes
— Manufacturing Process Selection and Process Parameters Optimization
— Design Engineering
— Inspection, Observation & Supervising

PERSONAL DETAILS:

Full Name:	Vishal Satishbhai Gajjar
DOB:	10th April 1997
Languages:	English, Hindi, Gujarati
Nationality:	Indian
Marital Status:	Unmarried

DECLARATION:

I Hereby declare that the above-mentioned information is correct up to my Knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Your Sincerely

Vishal Gajjar