

VISHAL PANCHAL

Mechanical Design Engineer

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AT-Kadachhala, TA-Lunawada, D-Mahishagar,
Gujarat, India, 388270

Summary

Dedicated Mechanical Design Engineer with experience in creating detailed 2D designs for process equipment. Skilled in collaborative design efforts and ensuring compliance with industry standards, contributing to improved project outcomes.

Education

MARCH- 2018

SSC - 85%

Crystal International School Lunawada

Diploma in Mechanical Engineering. 2022

CGPA-8.65/10

Balashinor college of polytechnic (GTU)

CAD Training

- AutoCAD –February 2022 to April 2022
- SolidWorks – May 2022 to July 2022
- CATIA V5 – May 2023 to October 2023

Technical Skills

- AutoCAD (2D Drafting, GA Drawing, Fabrication Drawing, BOM Preparation)
- SolidWorks (3D Part Modeling, Assembly – Basic)
- CATIA V5 (Part Design, Assembly – Basic)

Languages

- Gujarati - First Language
- Hindi - Upper Intermediate (B2)
- English - Intermediate (B1)

Experience

DECEMBER 2023 – Present

Shree Ishan Equipment Pvt. Ltd - Vadodara , India

Trainee Engineer - December 2023 -June 2024

- Prepared material requirement reports
- Created basic plate cutting layouts in AutoCAD
- Assisted in BOM preparation
- Supported drawing updates and revisions

Junior Design Engineer - July 2024 – Present

- Work on design and detailing for storage tanks, pressure vessels and other process equipment in compliance with ASME U Stamp, API Tank, and CCOE PESO standards.
- Prepare GA (General Arrangement) drawings and detailed fabrication drawings, including manhole, nameplate, nozzle detail, ladder detail, roof structure, and shell development, using AutoCAD.
- Extract material data, and calculate weight for BOM preparation in AutoCAD.
- Submit drawings to clients for approval, manage revision cycles based on client feedback, and issue final drawings through transmittals to Planning, QC, Production, and Contractors. Create as-built drawings after job completion for documentation and records.
- Collaborate with cross-functional teams to ensure design accuracy and timely delivery.

September 2022 - March 2023

ATS Techno Pvt. Ltd. - Ahmedabad, India

Mechanical Design Engineer

- Designed corrugation machine rolls are used in the manufacturing of paper boxes.
- Created 2D design drawings for rolls and components using AutoCAD.
- Took on-site measurements of machine parts, and developed 3D models in SolidWorks.
- Assisted in design modifications to improve machine performance and manufacturing efficiency.