



KARTIK NAIDU

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OBJECTIVE

With two years of experience willing to work with my technical abilities for the improvement of the organization. Driven with a strong work ethic and the ability to thrive in a team-based or individually motivated environment. Passionate to learn new things and motivated to achieve goals.



EXPERIENCE

Mechanical Project engineer | Makerstrive engineering Pvt Ltd

27TH NOVEMBER 2021- CURRENT

- Conducted detailed design calculations and analysis for static equipment, including pressure vessels, heat exchangers, ensuring compliance with industry standards such as ASME, TEMA.
- Utilized engineering software such as PV Elite for stress calculations, ensuring optimal performance.
- Reviewed and interpreted engineering drawings, technical specifications, and relevant documentation to ensure accuracy and compliance.
- Prepared comprehensive technical reports and documentation, effectively communicating design solutions and analysis findings to clients.
- Utilized SolidWorks software to create detailed 3D models of static equipment components, facilitating comprehensive visualization of the design and aiding in the development of accurate engineering drawings.
- Conducted interference checks with SolidWorks to ensure the compatibility and proper fit of various static equipment parts, contributing to the overall design validation process.
- Utilized SolidWorks for creating 3D models of nozzle junctions, for local load analysis.
- Proficiently utilized SolidWorks for 3D modeling, covering detailed component-wise part modeling and assembly of parts for bulkhead valves.
- Utilized ANSYS software to perform Finite Element Analysis (FEA) of nozzle local loads, evaluating structural integrity and stress distribution at attachment points.
- Conducted structural analysis using ANSYS of the bulkhead valve, assessing factors such as stress distribution and overall structural integrity. This integrated approach ensured that the design not only met rigorous modeling standards but also underwent rigorous analysis to validate its performance and reliability.
- Participated in design review meetings, contributing to design improvements and cost-saving initiatives.
- Assisted in the development of engineering procedures and guidelines for static equipment design and analysis.

Intern | FrameCADD Solutions

1ST MARCH 2021- 31ST MARCH 2021

- Worked on sheet metal and fabrication projects
- Designed and analyzed barrel carrier project
- Done drafting on projects



EDUCATION

B.E (Mechanical Engineering) | J.S.P.M's NTC

JULY 2021

Percentage: 72.30%

H.S.C | Vishwakarma Vidyalaya Junior College

February 2017

Percentage: 64.92%

S.S.C | S. V. Union High School

March 2015

Percentage: 83.65%



SKILLS

- PV Elite
- Solidworks
- ANSYS Workbench
- Fusion 360

Certifications

1. Diploma in Mechanical CAD
2. CAD and Digital Manufacturing (Fusion 360) from Coursera

Hobbies

1. Reading Books (Non-Fiction)
2. Playing Video Games

Languages Known

1. English
2. Hindi
3. Marathi
4. Tamil