

VISHWAJEET RAULJI

DESIGN ENGINEER

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Vadodara, Gujarat

Summary

Mechanical Designer specializing in automated packaging solutions, including cartoners, case packers, and palletizing systems. expert in 3D modeling, GD&T, and precision mechanism design.

Skill Highlights

- Solid Works
- Inventor
- Time management
- Strong decision maker
- Complex problem solver
- Solid Edge
- Autocad
- Creative design
- Innovative
- Public relations

Experience

Design Engineer - 01/2026 to Present

Columbia Machine Inc., Vadodara

- Responsible for the development, revision, and maintenance of technical drawings and mechanical designs.
- This role involves creating detailed parts, subassemblies, and full assemblies in accordance with engineering specifications, utilizing both 2D and 3D CAD software.
- Ensures technical accuracy, compliance with standards, and provides essential support to manufacturing and cross-functional teams.
- Create precise technical drawings and mechanical detailing from engineering sketches, models, and specifications.
- Design mechanical components, subassemblies, and complete assemblies using 2D and 3D CAD tools, AutoCAD, Inventor.
- Revise and update existing drawings to align with current technical standards and company practices.
- Assist in the development and maintenance of Bills of Materials (BOMs) and other engineering documentation.
- Interpret and analyze technical drawings and specifications, providing support and collaboration across production, procurement, and assembly departments.

Design Engineer - 09/2024 to 01/2026

Ultra pack, Vadodara

- Utilize 3D software to craft innovative and peripherals conceptual designs for mechanical packaging equipment.
- Responsible for 2D Drafting and 3D Modelling according to new product design, material replacement and reverse engineering.
- Generating 3D CAD design and 2D drawing for new products and modification of existing one.
- Responsible for developing Plant Layouts of a company procedure to increase production and to cope up with ergonomic aspects.
- Reproduced and updated archived designs to confirm with current requirement-ordinating with manufacturing team, customers as well as vendors to oversee the production of machine parts.
- Spearheaded the design and execution of new mechanisms and systems tailored to meet customer requirements, ensuring high-speed performance and reliability.

Design Engineer - 05/2023 to 09/2024

Leading Edge Technocrat, Vadodara

- Focused on designing mechanical components and systems for various products.
- Designed mechanical components using SolidWorks, ensuring optimal functionality and manufacturability.
- Collaborated with cross-functional teams to integrate mechanical designs into final products.
- Creating detailed CAD designs for various mechanical components.

Education

Parul University, Vadodara: - 2020-2023

Department: - B-tech In Mechanical Engineering / Grade: - 7.56 CGPA

K.J.I.T, Savli: - 2017-2020

Department: - Diploma In Mechanical Engineering / Grade: - 8.82 CGPA

Languages

- English (Limited Working Proficiency)
- Hindi (Native or Bilingual Proficiency)
- Gujarati (Native or Bilingual Proficiency)