

# Jayendra Raval

Village - Rampura (Bhankoda) Taluka - Detroj District - Ahmedabad

6354534144 | jayendraraval60@gmail.com

[in https://www.linkedin.com/in/jayendra-raval-159ab0375](https://www.linkedin.com/in/jayendra-raval-159ab0375)

---

## OBJECTIVE

Motivated Mechanical Engineering graduate with strong knowledge of mechanical design, CAD modeling, and engineering analysis. Skilled in AutoCAD and SolidWorks with hands-on experience in 2D/3D modeling, fabrication drawings, and sheet metal design. Familiar with transformer manufacturing, additive manufacturing, and rapid prototyping processes. Able to support component design, design optimization, and industrial engineering projects effectively. Strong problem-solving, teamwork, and continuous learning abilities with a passion for innovative and sustainable engineering solutions.

---

## EDUCATION

- **GEC Gandhinagar Sector-28 | Gandhinagar [Gujarat Technological University]**  
Bachelor of Engineering : Mechanical Engineering  
Status: Pursuing
- **SHREE VASUDEVBHAI AND KANTIBHAI PATEL INSTITUTE OF ENGINEERING | KADI | [Gujarat Technological University]**  
Diploma In Engineering : Mechanical Engineering  
CGPA - 9.40  
May 2023
- **Shah H M Sarvodaya Vidhyalaya | Rampura**  
S.S.C  
Result - 56%  
December 2020

---

## TRAINING & INTERNSHIP

- **Industrial Internship - Powerlite Electricals pvt. Ltd., Kadi-Mehsana | Jan 2026 - Mar 2026**
  - Completed 12-week internship at Powerlite Electricals Pvt. Ltd. as a Mechanical Design Engineer Intern & Assisted in transformer component design and fabrication drawings.
  - Created 2D CAD models for mechanical parts & Supported production team to ensure design feasibility.
  - Worked on BOM preparation and technical documentation & Gained knowledge of transformer tank design and assembly process.
- **3D Printing Internship - Indo-German Tool Room, Vatva-Ahmedabad | Jul 2025 - Jul 2025**
  - Learned and applied 3D printing technologies, prepared STL models using CAD tools.
  - Used slicing tools (Cura/PrusaSlicer) to analyze materials and printing strategies.
  - Printed prototypes using FDM-Fortus 360mc; conducted post-processing.
- **SolidWorks Training - CIPET:IPT, Vatva-Ahmedabad | Feb 2025 - Feb 2025**
  - Hands-on training in SolidWorks: 2D sketching, 3D modeling, parametric design.
  - Designed mechanical components and assembled parts using standard design protocols.
  - Simulated real-world mechanisms for practical understanding.

---

## SKILLS & STRENGTH

- AutoCAD 2D Drafting and SolidWorks
- Microsoft Office ( Word, Excel, PowerPoint)
- Implemented innovative approaches to optimise results
- Enhanced team performance through proactive collaboration
- Quick learner and Adaptable
- Knowledgeable in Kaizen and continuous improvement methodologies
- Strong problem-solving and critical-thinking abilities
- Transformers Part Design

---

## EXPERIENCE

---

- **Powerlite Electricals Pvt. Ltd. ,Kadi- Mehsana** NOVEMBER 2025 - APRIL 2026  
Mechanical Design Engineer
  - Developed detailed 2D AutoCAD drawings for transformer tanks, channels, insulation parts, and customer approvals.
  - Collaborated with production and fabrication teams to ensure design accuracy and manufacturability.
  - Improved drawing efficiency and reduced design modification time through standardized drafting practices.

---

## PROJECTS

---

- **DUAL AXIS SOLAR TRACKERSYSTEM (Bachelor in Engineering)**
  - Designed an Arduino-based solar tracker using an LDR sensor to increase solar panel efficiency by over 30% compared to a fixed angle system.
  - Implemented a tracking algorithm to optimize solar positioning.
  - Conducted thorough performance analysis to improve system stability and energy yield.
- **MULTIPURPOSE SIEVING MACHINE (Diploma in Engineering))**
  - Engineered an automated, versatile sieving machine for industrial material separation, enhancing safety and productivity in processing operations