



VIKAS PRAJAPATI

MECHANICAL ENGINEER

CAREER OBJECTIVE

Mechanical Design Engineer with 3 years of experience in the power transformer industry, specializing in designing and optimizing transformer components for enhanced performance and reliability. Proficient in CAD tools, thermal and structural analysis, and compliance with industry standards.

ABOUT ME

Date of Birth: July 25, 2001

Age: 24

Gender: Male

Birthplace: Amethi, Uttar Pradesh, India

CONTACT



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Dist- Amethi, Uttar Pradesh



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[LinkedIn Profile](#)

SKILLS

- Proficient with Autodesk INVENTOR, AUTOCAD & CREO design suite.
- Skilled in MS EXCEL & WORD.
- Fast learner & independent with strong leadership & critical thinking skills.
- Ability to resolve problems/deficiencies.
- Good communication skills.
- Project management and multitasking expertise.

EXTRA -CURRICULAR

- Coordinator at AKTU cultural fest
- Participated in Summer training.

EXPERIENCE

Mechanical Design Engineer

SHIRDI SAI ELECTRICALS LTD.

(PRAYAGRAJ, UTTAR PRADESH, INDIA)

Jan 2023 – Present.

- Designed and developed power transformer components, focusing on optimizing thermal performance and structural integrity.
- Utilized CAD software (AutoCAD & Inventor) to develop 3D models and detailed engineering drawings for manufacturing.
- Collaborated with cross-functional teams to address design challenges, ensuring compliance with ISO, IEC & CBIP standards.
- Reduced manufacturing costs through material optimization.
- Conducted finite element analysis (FEA) to evaluate thermal and structural performance of Transformer components.
- Supported manufacturing teams during production, resolving design-related issues to minimize downtime.

EDUCATION

- B. Tech in Mechanical Engineering, DR. APJ Abdul Kalam Technical University, Lucknow (2022)
- Intermediate CBSE, Sarswati Vidya Mandir School, Sultanpur (2018).
- 10th Standard CBSE, Sarswati Vidya Mandir School, Sultanpur (2016).

KEY SKILLS

- Transformer Mechanical Design (Tanks, Clamping structures, Terminal Connection).
- 3D Modelling and Drafting (AutoCAD, Autodesk Inventor).
- Finite Element Analysis (ANSYS) □ Thermal and Structural Analysis.
- Product Development and Optimization.
- Industry Standards Compliance (IEC, IEEE, CBIP & ISO).
- Technical documentation and BOM preparation.

DECLARATION

- I hereby confirm that all the information is true to the best of my knowledge and belief.