

Rachit Prajapati

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CAREER OBJECTIVE

Write Seeking a position that will allow me to further develop my problem-solving skill and apply my academic knowledge to practical application in the field of electrical engineering.

EDUCATION

Btech / Electrical Engineering 2023 – 2027

Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar | 7.20 / Percentage: 68.4%

Higher Secondary Certificate (12th Grade) 2023

Percentage: 62.76%

Secondary School Certificate (10th Grade) 2021

Percentage: 66%

INDUSTRIAL EXPERIENCE

Summer Intern | Royal Electricals & Transformer, GIDC June 9, 2025 – June 31, 2025 (21 days) | Karamsad

- Gained Hand-on experience in the manufacturing and repairing of transformer.
- Developed an understanding of transformer components, working principles and industry-standard testing procedures.

Summer Intern | Baroda Electrical meters, GIDC May 17, 2025 – June 6, 2025 (15 days) | Karamsad

- Worked on solar cycle project involving solar panel, battery, and motor integration.

PROJECTS

Full-Wave Bridge Rectifier using Thyristors (SCR) with PCB Design

- Designed and implemented a full-wave bridge rectifier using thyristors, including PCB design in Proteus and successful hardware realization.
- Analyzed Output voltage control and waveform characteristics under varying firing angles.

CO-CURRICULAR ACTIVITIES

[CPL/ NCC] | [2CTC / 38GUJ BN] August 2023 – April 2026

- Supervised a group of cadets, ensuring discipline, coordination, and effective participation in drills, parades, and training activities. Assisted senior cadets in organizing and executing NCC programs and camps.
- Participated in Army Attachment Camp under NCC, gaining practical exposure to military training, discipline, and field operations.

SKILLS & LANGUAGES

- **Software:** MATLAB, Proteus, Codesys, Pspice.
- **Electrical:** Circuit design, Power Electronics, Power Systems.
- **Embedded:** Arduino.
- **Languages:** English, Hindi, Gujarati