

# PRATHAM PRAJAPATI

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## CAREER OBJECTIVE

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

## EDUCATION

|  |                           |
|--|---------------------------|
| <b>Bachelor of Electrical Engineering</b><br><i>Birla Vishvakarma Mahavidhyalaya   CPI: 6.41</i>       | <b>Current Third Year</b> |
| <b>Higher Secondary Certificate (12th Grade)</b><br><i>Shree SZ Wagela High School, Khambhat   63%</i> | 2023                      |
| <b>Secondary School Certificate (10th Grade)</b><br><i>Shree Madhavlal High School, Khambhat   80%</i> | 2021                      |

## INDUSTRIAL EXPERIENCE

### Summer Intern | Royal Electricals & Transformers

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

### Summer Intern | Baroda Electric Meters Limited

- Learned the manufacturing, repairing, and testing processes for solar cycles.
- Acquired practical industry knowledge regarding solar cycle mechanics.

## ACADEMIC PROJECTS

### Thyristor-Based Cycloconverter Simulation

- Designed and troubleshooted a cycloconverter circuit using Proteus simulation software.
- Calculated secondary inductance and calibrated firing angle delay timings.

### DC Motor Characteristics Analysis

- Analyzed torque-speed characteristics and calculated transfer functions.
- Evaluated performance results through detailed RPM vs. Torque data plotting.

## CO-CURRICULAR ACTIVITIES

- Visited ERTO Savli, Vadodara, and attended a professional seminar by Hitachi.
- Attended a seminar hosted by the IE(I) Electrical Student Chapter.
- Completed an industrial visit to the Wanakbori Thermal Power Station.

## SKILLS

**Software:** Matlab, PROTEUS  
**Programming:** C Language, C++

## LANGUAGES

English, Hindi, Gujarati