



Pratham Pareshkumar Jani

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About

- My aim is to achieve the confidence of the company using my knowledge and experience, thereby approaching a positive growth for my career along with the cherished reputation of organization.

Education

- **L.D. College of Engineering** 2020-24
BE in Electrical Engineering
77.9
- **Shree Damubhai Shukla School** 2020
Class XII, Gujarat Board
70.8
- **Shree Sahajanand School** 2018
Class X, Gujarat Board
84

Experience

- **Welspun Captive Power Generation Limited** July 2024 - Present
Engineer
 - Thermal based power plant- 80,43&12 MW .
 - Assisting in operation and maintenance of HT/LT electrical systems, including transformers, circuit breakers, and switchgear up to 11 kV.
 - Performing routine checks and breakdown maintenance of motors, MCC panels, VFDs, and control relays.
 - Work on material management, look for stocks availability & PR work in SAP.
 - Documenting SOPs, checklists, and maintenance schedules, improving clarity for O&M teams.
- **Internship at Gayatri Control and Automation Pvt Ltd** 15/01/2024 - 15/04/2024
Panel design
 - In my three months of internship, I'd been through many control panels where I was able to understand its functions and working.
 - Along with this, I assisted in assembling and testing electronic devices and help troubleshooting the problems.
- **Internship at KNH Automation** July - 2023
Panel Design
 - Gained hands-on experience in component selection wiring and troubleshooting, contributing to the successful implementation of automation systems while learning about safety standards and industry practices.
 - Learned the importance of meticulous wiring practices. grounding and insulation techniques, ensuring control panels adhered to safety regulations and mitigated potential electrical hazards.

Projects

- **Chopper based dc shunt Motor controller**
 - The chopper-based DC shunt motor controller utilizing a pulse generator is a robust and versatile solution for controlling the speed and direction of a DC shunt motor.
 - By using a pulse generator, the controller can precisely regulate the motor's speed by generating pulses with specific width and frequency.
 - This method offers advantages such as improved speed control, reduced power losses, and enhanced

energy efficiency.

- **Battery Charging Level Indicator and controller**

- Developed a battery monitoring system using the feedback of voltage divider circuit and tuning the PID of DC load which relates to li-po battery.
- Advantage: Obtained and regulated smart feedback of li-po battery.

Skills

- Effortlessly analyze control panel circuits
- Data analytics
- Material Management
- Team-work

Extra Curricular Activities

- Ranked among top 5% students in class-X at Gujarat Secondary State Board.
- Triumphee kho-kho game as winner in Intra-school in sahanand school sport festival 2015-16.

Certification

- **The Fastrack Internship**
IDigital Preneur Academy
Nov 2021
- **Galactic Problem Solver**
NASA
Oct 2021

Personal Details

- ◦ D.O.B. : 29/08/2003
- Nationality: Indian