



SHYAM GAGLIYA

Electrical Engineer

I am an ambitious student of Electrical Engineering, driven by a passion for innovation and equipped with a robust academic background. I aim to leverage my technical expertise to develop innovative solutions, foster meaningful work-centric relationships, and drive positive changes within teams and projects. I aspire to contribute significantly to the dynamic intersection of technology and business while continually enhancing my skills and knowledge. I am eager to embark on this journey of growth and contribution within a progressive organization.

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EDUCATION

Bachelors of Electrical Engineering

Chandigarh University - Punjab

2022 - Present, 7.15 CGPA

One semester in Universiti of Malaya, Malaysia

Diploma Electrical Engineering

Gujarat Technical University-Gujarat

2017 - 2020, 8.19 CGPA

PERSONAL PROJECTS

Pitch angle control of wind turbine using optimization techniques (Research)

Using different type of optimization techniques to control the wind turbine pitch angle for getting maximum output. Such as PSO and GA optimization techniques that used in the MATLAB.

Smart helmet for rider (Accident prevention)

By detecting air quality, accident detection, gsm and gps monitoring, providing power backup from solar panel, alcohol detection and acceleration control of bike at medium level.

Solar tracking system using Arduino UNO by not Using LDR

Controlling solar panel without using LDR sensor in it, it was sensor less solar tracking we have done for getting efficient energy output from the solar panel.

Battery management system

Integrated real-time monitoring with IoT sensors to collect comprehensive data on battery performance. optimize charging/discharging profiles for efficiency and longevity. Temperature monitoring to prevent overheating.

• Multi motor control using drive L293D

• Home Automation

• UPS control Lab wiring

in diploma final project

ACHIEVEMENT

- Organized workshop in university on the topic of "Smart Grid"
- One great success was my semester exchange program to Malaysia.
- Given the speech in the front of many student on the topic of "Happiness in the Life"
- One Hour Online Code By Microsoft
- Online Poster Making Contest- Participation at university
- Awarded for second runner in the volleyball competition
- Academic Performer award, Chandigarh university

TECHNICAL COMPETENCIES

MATLAB | AutoCAD | Power World Simulator | Cadence
MS Office | C++ | PLC | Arduino | PSCAD | PSpice | SAP tool
| Electrical circuit design | Wiring

INTERPERSON SKILLS

Team Work | Communication | Leadership | Project management | Research review | Critical thinking

CERTIFICATES

Intern

Paschim Gujarat vij company limited.

I gained valuable insights into Indian government electricity regulations and transmission practices, actively contributing to documentation tasks with my newfound knowledge.

Research helper

Photonics Lab university Malaya Malaysia

As a research helper in the photonics lab, I assisted with ongoing studies on integrated photonics, quantum photonics, and photonics materials, while also conducting extensive literature reviews in these areas of research.

Industrial Activity

American Air Filter Manufacturing sdn.bhd. Malaysia

attending industrial talk and visits

During my company visit, I gained extensive knowledge about advanced HEPA filters, and I was awarded a home filter by winning a quiz organized by the company.

Industrial Training

Industrial Training at Dudhat Industries PVT.LTD

NPTEL- Smart Grid Basic to Advanced Technologies course

Coursera Course Done:- Micro grid Protection Course, Introduction to self-driving car, Introduction of solar cell

LANGUAGES

English / Hindi / Gujarati, I will take IELTS exam.

Full Professional Proficiency

INTERESTS

Travelling | Reading | Sports | Listening Music