



# SAKSHAM GUPTA

## PROFILE

An Electrical and Computer Engineering student with hands-on experience in designing advanced electrical systems and embedded solutions such as **Atmel** and **STM32**. Proficient in power electronics, electrical drives, and software development, including **C**, **Java**, **Python**, and **MySQL**. Collaborative in team environments and experienced in managing and leading technical projects, having represented teams in **international engineering competitions** with a focus on innovation and efficiency.

## EXTRA-CURRICULAR ACTIVITIES

**Team Vegapod Hyperloop | EHW'24** AUG, 2023 - JUL, 2024  
Electrical Head

- Led the development of a fully functioning electrical system for Team Vegapod Hyperloop, which included a custom-designed scalable battery module system with integrated battery management (BMS) and levitation inverters.
- Represented Team Vegapod Hyperloop at the European Hyperloop Week competition in **Zürich, Switzerland**.

**Team Vegapod Hyperloop | EHW'23** SEP, 2022 - JUL, 2023  
Electrical Engineer

- Developed a 3-phase SPWM inverter to power a custom Linear Induction Motor.
- Assembled and tested a complete power system, ensuring functionality and reliability.
- Represented Team Vegapod Hyperloop at the European Hyperloop Week competition in **Scotland**.

## CERTIFICATION

**National Academic Immersion Program** JUL, 2024  
Jodhpur

Successfully completed a program focused on Electrical Drives, gaining knowledge in batteries, battery management systems (BMS), power electronics, switchgear, and electrical machines, including BLDCs, PMSMs, and induction motors.

## HARDWARE PROJECTS

- Scalable Battery Module
- 3 Phase Inverter
- RFID Based Locking System
- Quadcopter (MultiWii)
- Home Automation System
- Robotics Projects

## SOFTWARE PROJECTS

- File Sharing Application
- Multi-Threaded Downloader
- Automatic Backup Application
- Password Manager Application
- Quiz Game with Live Chat

## CONTACT

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[My Website](#)

[LinkedIn](#)

[Github](#)

## EDUCATION

Aug, 2022 - Jul, 2026  
MITWPU, PUNE

- BTech in Electrical and Computer Engineering

Apr, 2020 - Apr, 2022  
RDPS, NEW DELHI

- High School
- 90% Score
- CS Topper

## SKILLS

- PCB Design (KiCAD)
- Circuit Simulation (LTSpice)
- Embedded Systems
- Power Electronics
- C Programming
- Java Programming
- Python
- MySQL
- PHP

## LANGUAGES

- English (Fluent)
- Hindi (Native)