

# ABHISHEK DEVRANI

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Abhishek Devrani

## EDUCATION

**Rajiv Gandhi Institute of Petroleum Technology** 2022 – 2026  
*Electrical Engineering (Major in E-Vehicle Technology) - 8.46 - (till 4th semester)* Amethi

**Navy Children School** 2020 – 2021  
*CBSE Board - Class 12th - Percentage - 93.4%* New Delhi

**Navy Children School** 2018 – 2019  
*CBSE Board - Class 10th - Percentage - 93.6%* New Delhi

## SKILLS

- Data Structures & Algorithms
- Python
- System Design
- Network Security
- C++
- MERN Stack
- Devops
- Ethical Hacking

## EXPERIENCE

**Intern at Engineers India Limited (EIL)** June 2024 - July 2024  
*Role - Trainee* Gurugram, Haryana

- Analyzed various loads in an Oil & Gas plant
- Conducted equipment sizing and switchboard procurement engineering
- Gained expertise in power distribution using Single Line Diagrams (SLDs) in an Oil & Gas plant.
- Implemented Knowledge of Core Electrical Subjects

## PROJECTS

**Traction Inverter** -Ongoing

- Designing a traction inverter utilizing SiC/GaN technology for Electric Vehicle (EV) applications under the supervision of Dr. Bheemaiah Chikondra. This project focuses on developing an efficient power conversion system to control the electric motor, leveraging the advantages of Silicon Carbide (SiC) and Gallium Nitride (GaN) semiconductors.
- These advanced materials offer higher switching frequencies, reduced power losses, and improved thermal management, enhancing the overall performance, efficiency, and range of electric vehicles.

## Zapier Clone

- I developed an application/website similar to Zapier that allows users to create zaps and actively send emails and Solana. The project utilizes technologies like Node.js, React, Next.js, PostgreSQL with Prisma, and asynchronous backend communication through Kafka and Redis. The system efficiently handles email and Solana transactions by processing them via worker services.

## ACHIEVEMENTS

- Ranked in the top 2 percentile in the IIT-JEE Advanced 2022 exam
- Solved more than 300 problems across various platforms like CSES, Geeksforgeeks and leetcode.
- Completed my training in Cybersecurity and Ethical Hacking from a recognized organization.