

# ADITYA RAJ

[in](#) aditya-r543 | [✉](mailto:22ev3002@rgipt.ac.in) 22ev3002@rgipt.ac.in | [☎](tel:+91-6387128049) +91-6387128049

## OBJECTIVE

A driven individual focused on productivity, empathy, and continuous skill development. Passionate about learning and contributing to impactful outcomes.

## WORK EXPERIENCE

**IEEE RGIPT** Jan 2024 - Present

### DESIGNING HEAD

- Led a team of 6 in organizing and executing various activities within the IEEE RGIPT chapter, showcasing strong leadership and fostering effective collaboration for successful outcomes.

**HEALTH AND HYGIENE AWARENESS CAMPAIGN** Apr 2023 - June 2023

- Organized a community health initiative in a rural village.
- Increased adoption of hygienic practices among villagers.

**ELECTRICAL ENGINEERING INTERN** June 2024 - July 2024

### POWERGRID CORPORATION OF INDIA LIMITED, PUSAULI SUBSTATION

Mentor: **Naresh Kumar Malowa (Engineer)**

- Assisted in analyzing and maintaining the 765/400/220 KV, 500 MW HVDC back-to-back Pusauli substation, focusing on high-voltage power transmission systems.
- Gained hands-on experience with advanced electrical testing equipment, performing diagnostic tests on power systems.

## PROJECTS

**EV BATTERY CHARGER DESIGN USING WIDE BAND GAP BASED DEVICES** Sep 2024 - Present

- Designed and analyzed GaN-based bidirectional OBC topologies to enhance power density and efficiency in electric vehicle charging systems.
- Achieved energy efficiency of over 98% using soft-switching techniques and advanced modulation methods like SVPWM and DPWM.

**SALES INSIGHTS** Oct 2024 - Present

- Developed an intuitive Power BI dashboard to uncover key sales trends for AtliQ hardware, empowering stakeholders with actionable insights for business decision-making.
- This data-driven approach is forecasted to boost revenue by 7% in the upcoming quarter.

## EDUCATION

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY** 2022 - 2026

(An INSTITUTE OF NATIONAL IMPORTANCE along the line of IITs)

Bachelor of Technology - Electrical Engineering (Major: E-Vehicle)

**KENDRIYA VIDYALAYA BHU** CBSE, 2021

Senior Secondary School

Grade: 78.8%

**KENDRIYA VIDYALAYA BHU** CBSE, 2019

Secondary School

Grade: 74.8%

## ACHIEVEMENTS

- Qualified JEE Advance.
- Runner-up in Intramural Sports RGIPT.
- Two-time district player in KHO-KHO.

## SKILLS

Languages: Python, MySQL, Matlab, Kotlin

Software: Simulink, AutoCAD, Power BI, Android Studio