

ANAND PANDEY

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Objective

Dedicated and driven professional committed to maximizing productivity, fostering empathy, developing skills, and passionately pursuing excellence.

Work Experience

Chegg India Pvt. Ltd.

Oct 2023 - Present

Subject Matter Expert - Calculus

- Delivered detailed solutions and step-by-step explanations for complex calculus problems, assisting students globally. Focused on clarity and enhancing problem-solving skills.
- Guided students in mastering key calculus concepts like differentiation, integration, and multivariable calculus. Simplified complex problems for improved understanding.

Gyanarpan Volunteer

Apr 2023 - Jun 2023

Volunteer - Education Program

- Created and distributed educational notes to underprivileged children, improving their access to quality learning resources.
- Developed customized learning materials to meet students' needs, enhancing comprehension and academic performance.

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.

Supply Chain Insights in FMCG Domain

Jul 2024 - Present

- Created a Power BI dashboard to monitor KPIs (OT, IF, OTIF %) for AtliQ Mart, helping them identify and resolve key customer issues before expansion.
- The analysis is estimated to save 20% of their expansion investment.

COVID-19 Analysis and Visualization Using Plotly Express

Oct 2024 - Present

- Analyzed and visualized COVID-19 data using Plotly Express to create insightful charts and graphs for trend prediction.
- Utilized Google Colab (GPU), Pandas, Numpy, Matplotlib, and Wordcloud for data modeling and visualization.

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)

Vivekanand Shishukunj Senior Secondary School

CBSE, 2021

Senior Secondary School

Grade: 86.2%

Vivekanand Shishukunj Senior Secondary School

CBSE, 2019

Secondary School

Grade: 89.2%

Achievements

- Qualified four times for the SSB (Services Selection Board).
- Won a bronze medal in Physics at a district science competition.
- Cracked Research Analyst certification by NISM (National Institute of Securities Market), SEBI.

Technical Skills

- Languages:** Python, MySQL, MATLAB
- Softwares:** AutoCAD, Simulink, Power BI