PALAK GUPTA

DATA ANALYST

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ABOUT ME

I am Palak Gupta, an aspiring Data Analyst currently pursuing B.Tech in Mechanical and Automation Engineering from Indira Gandhi Delhi Technical University for Women (IGDTUW). I am specialized in Microsoft Excel, Power Query, Python for analytics, SQL, Machine Learning and Statistics. I am a dedicated data enthusiast with strong capabilities in data cleaning, preprocessing, data manipulation, and exploratory data analysis (EDA). My focus areas include data-driven insights, statistical analysis, predictive modeling, process optimization, data visualization, ETL workflows, and dashboard development.

EDUCATION

BTECH MAE   2024 – 2028 INDIRA GANDHI *DELHI TECHNICAL UNIVERSITY FOR WOMEN [IGDTUW]* Delhi

CBSE CLASS 12TH : 87%   2024

CBSE CLASS 10TH : 93.6% 2022

SKILL

- ADVANCED EXCEL
- SQL
- ANALYTICAL THINKING
- TABLEAU
- POWER BI
- NUMPY
- PANDAS
- MATPLOTLIB
- MACHINE LEARNING
- GEN AI

OTHER TECHNOLOGIES

- PYTHON
- C++
- SCIKIT-LEARN

PROJECTS

Portfolio
- Built an interactive **Excel-based portfolio dashboard** using pivot tables, slicers, and dynamic charts to track investment returns, asset allocation, and performance trends.
- Cleaned and organized raw data using **Excel formulas, Power Query, and data validation**, improving reporting accuracy and enabling automated monthly portfolio insights.

PATHFINDER- CAREER COUNSELOR
- Developed an AI-powered career counselor integrated with Gemini API, Rapid API, and Job Search API.

- Assists students in finding suitable career paths based on interests, providing tailored lists of universities, opportunities and job vacancies.

AQI TREND INTELLIGENCE SYSTEM
- Developed a Power BI and Excel–based analytics solution to evaluate Delhi's air quality trends, pollutant concentrations, and seasonal patterns using cleaned and transformed multi-source environmental data.
- Delivered interactive dashboards and insights highlighting pollution spikes, key pollutant contributors, and Data-driven recommendations for improved air-quality monitoring.