PALAK GUPTA

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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

SYMPTOMS BASED COVID-19 DIAGNOSIS
- Built a Python-based machine learning model using Naive Bayes, Decision Tree, and Gradient Boosting to predict COVID-19 infection likelihood from symptom data prepared in Excel.
- Designed interactive Power BI dashboards to visualize prediction outcomes and key risk indicators, supporting data-driven health screening 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 DASHBOARD
- Built an interactive AQI dashboard using Excel Pivot Tables and Slicers to visualize city-wise and time-series pollution trends from a Kaggle dataset.
- Automated data aggregation and filtering to deliver quick insights into key air-quality metrics and support data-driven decision making.