


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 |
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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.