PALLAVI SHARMA

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SUMMARY

Data Analyst with an engineering background and experience mentoring middle school students in Math and Science. Proficient in Python, SQL, Excel, and Tableau. Worked on projects involving data analysis, creating interactive visualizations, and extracting actionable insights to support business decisions.

TECHNICAL SKILLS

Languages and Databases: Python, SQL, MySQL
Frameworks and Tools: Tableau, MS Excel, NumPy, Pandas, Matplotlib, Seaborn
Other Skills: Data Processing, Data Cleaning, Data Mining, Data Visualization, Data Modeling, Statistical Analysis, Data Analysis, Business Analysis

PROJECTS

Blinkit Exploratory Data Analysis Link   March 2025
Tools/Skills Utilized: Python, Pandas, NumPy, SQLAlchemy, Matplotlib, Seaborn, Report Development
- Analyzed 20 months of sales data from Blinkit using Python and SQL to identify top-selling products, delivery performance, and customer behavior patterns, enabling data-driven business insights and strategic recommendations.
- Processed and cleaned 7 datasets using Pandas, and integrated them into MySQL via SQLAlchemy to enable structured querying and efficient exploration through EDA techniques.
- Visualized key insights using Seaborn & Matplotlib to highlight trends and uncover growth opportunities.

Dynamic Sales and Customer Dashboards using Tableau Link   January 2025
Tools / Skills Used: Tableau, Trend Analysis, Data Modeling and Cleaning
- Built dynamic Tableau dashboards with interactive filters to uncover key trends, including a 20.4% YoY sales growth and a 26.8% increase in quantity sold in 2023, guiding data-driven strategies for profitability and customer engagement.
- Developed 15+ calculated fields and parameters to compare current vs. previous year KPIs, highlight profitable subcategories, and identify loss-making areas, supporting targeted marketing and inventory optimization.

Bike Store Database Analysis Link   December 2024
Tools / Skills Used: MySQL, Data Analysis and Querying
- Used MySQL Workbench to model complex relationships across 9 interlinked tables, enabling efficient multidimensional analysis.
- Analyzed 3 years of bike sales data (2016–2018) using advanced SQL techniques (CTEs, Window Functions) to uncover category trends, customer behavior, and store performance.

CERTIFICATIONS

Meta Data Analyst Professional Certificate | Meta Link   May 2025
Deloitte Australia Data Analytics Job Simulation | Forage Link   March 2025
Tata Data Visualization Job Simulation | Forage Link   March 2025
SQL(Intermediate) Skill Certification Test | HackerRank Link   October 2024
Data Analytics Essentials | Cisco Link   August 2024
Microsoft Excel- Excel from Beginner to Advanced | Udemy Link   September 2023

EXPERIENCE

Anand Classes, Navi Mumbai, Maharashtra: Math and Science Tutor   October 2023 – Present
- Engaged middle school students in interactive learning techniques, **fostering critical thinking and boosting subject mastery by 20%**
- Utilized analytical skills to assess student performance, tailoring lesson plans, and **improving their academic performance by 25%**.

Government of Rajasthan, Jodhpur, Rajasthan: Basic Computer Instructor April 2023 – June 2023
- Developed and conducted interactive computer training sessions, **enhancing digital literacy for 100+ students**.
- Demonstrated strong communication and problem solving skills by explaining technical concepts in an accessible way, leading to a **20% increase in student engagement**.

EDUCATION

Master of Engineering in Electrical Engineering April 2023
M.B.M University Jodhpur, Rajasthan
M.B.M Engineering College
Published a research paper titled "Transient Stability Enhancement Using HPFC Facts Controller" in the International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) on January 1, 2023, during the program.

Bachelor of Engineering in Electrical Engineering August 2018
Jai Narain Vyas University Jodhpur, Rajasthan
M.B.M Engineering College