Usama Abid

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ABOUT ME

Detail-oriented Data Analyst with hands-on experience in Python, SQL, Power BI, and Excel. Passionate educator who simplifies complex technical concepts for students worldwide. Skilled in transforming raw data into actionable insights through exploratory analysis, visualization, and pattern recognition. Currently expanding expertise in AI operations and advanced analytics techniques.

EDUCATION AND TRAINING

CURRENT
RQF LEVEL 6 DIPLOMA IN ARTIFICIAL INTELLIGENCE OPERATIONS Alnafi (EduQual)

Website https://alnafi.com/ | **Level in EQF** EQF level 6

Sadiqabad, Pakistan
FSC MTB School & Colleges

Website https://mtb.edu.pk/

Sadiqabad, Pakistan
MATRICULATION (SECONDARY SCHOOL CERTIFICATE) MTB School & Colleges

Website https://mtb.edu.pk/

WORK EXPERIENCE

CURRENT
SUPER TUTOR - PYTHON & DATA ANALYSIS PREPLY

- Deliver personalized instruction in Python programming and data analysis tools to international students
- Develop practical, hands-on curriculum emphasizing real-world applications
- Guide students through data projects from concept to completion
- Simplify complex technical concepts using approachable teaching methods

11/2021 – 10/2023
DATA ANALYST (FREELANCE) FIVERR

- Execute end-to-end data analysis projects across various domains including real estate, entertainment, retail, and transportation
- Transform complex datasets into clear visualizations and actionable recommendations
- Implement data cleaning procedures to ensure high-quality analysis
- Develop custom Python scripts for automated data processing and analysis

TECHNICAL SKILLS

Programming Languages & Tools:

- Python (Pandas, NumPy, Matplotlib, Seaborn)
- SQL (Data Cleaning, Querying, Analysis)
- Power BI
- Microsoft Excel
- Time Series Analysis

Data Analysis Skills:

- Exploratory Data Analysis (EDA)
- Data Cleaning & Preprocessing
- Pattern Recognition
- Data Visualization
- Trend Analysis
- Outlier Detection

Other Skills

- Bash Scripting
- Flask
- Selenium Web Automation
- Ubuntu
- Git & Github

PROJECTS

MovieLens Data Analysis

- Analyzed user rating patterns and genre preferences across diverse demographics
- Identified Film-Noir as highest-rated genre (3.92/5) and Fantasy as lowest (3.21/5)
- Revealed correlation between user occupation and rating behavior, with non-working users providing higher average ratings

Chef's Kitchen Tip Analysis

- Analyzed transaction data to identify key trends in customer spending and tipping patterns
- Discovered clear linear relationship between bill amount and tip size
- Identified dinner service as generating higher orders and tips than lunch
- Found no significant influence of smoking status on tipping behavior

US Honey Production Analysis (1998-2016)

- Conducted time series analysis of honey production trends across United States
- Identified significant decline in production yields per colony over time
- Demonstrated how market forces adjusted pricing upward as production declined
- Mapped geographical distribution of major honey-producing states

Uber Ridesharing Demand Analysis

- Conducted time series analysis of honey production trends across United States
- Identified significant decline in production yields per colony over time
- Demonstrated how market forces adjusted pricing upward as production declined
- Mapped geographical distribution of major honey-producing states

Nashville Housing Data Cleaning

- Standardized date formats and populated missing property address data
- Created consistent address fields by breaking into individual columns
- Standardized "Sold as Vacant" field values for consistency
- Removed duplicate records to ensure data integrity