Osama AlZahrani

Data Analyst | Power BI & Python Enthusiast

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SUMMARY

 data analyst specializing in using Python, SQL, and Power BI to transform complex data into clear insights that support decision-making. I have hands-on experience building interactive dashboards and analyzing large data sets to extract patterns and trends. I look forward to applying my analytical skills to contribute to achieving the goals of an ambitious company.

EDUCATION

 Bachelors of Science , Information Technology

Albaha University - 2024

PROJECT

Power BI Business Dashboard

- Designed sales KPI dashboards with real-time filtering and interactive visualizations.
- Technologies: Power BI, Excel, DAX.

COVID-19 Data Analysis using Python   *Feb 2025 – May 2025*

- Analyzed 1M+ WHO records using Pandas and Seaborn.
- Explored time-series trends and built a linear regression model.
- Identified strong correlation between vaccination rates and reduced mortality ($R^2 = 0.82$). • Interactive dashboard for the evolution of the Corona pandemic
- Deliverables: Interactive Jupyter report + GitHub code.

Sleep Patterns & Productivity Analysis   *July 2025– July 2025*

- Analyzed 79 participant records using Pandas and Seaborn
- Identified optimal sleep duration (6-8 hours) with 3.9/5 mood score (+22% vs avg)
- Discovered 1.3-point mood drop with >30min pre-sleep phone use

- Built interactive visualizations with Arabic text support
- Deliverables: Jupyter analysis + GitHub code

Database Management System for a Booking Application

- Developed a full-stack booking system using HTML, CSS, JS, and Python (Flask), improving appointment efficiency by 30%.
- Connected to MySQL database for dynamic scheduling and client management.

SKILLS

- **Programming: Python (Pandas, Seaborn), JavaScript**
- **Data Analysis: Power BI, Advanced Excel, Jupyter Notebook**
- **Databases: MySQL, SQLite**
- **Soft Skills: Problem-solving, Communication, Teamwork**
- **Other Skills : HTML, CSS**

CERTIFICATIONS

1. **Databases and SQL for Data Science with Python** - **IBM** (18 hours) | Oct 2025
2. **Data Visualization and Dashboards with Excel and Cognos** - **IBM** (15 hours) | Sep 2025
3. **Excel Basics for Data Analysis** - **IBM** (12 hours) | Sep 2025
4. **Introduction to Data Analytics** - **IBM** (10 hours) | Sep 2025
5. **Python Project for Data Science** - **IBM** (8 hours) | Sep 2025
6. **Python for Data Science, AI & Development** - **IBM** (25 hours) | Sep 2025
7. **Data Analysis with Python** - **IBM** (18 hours) | Oct 2025
8. **Advanced English Course** - TVTC (120 hours) | May 2025
9. **Cybersecurity** - Doroob Platform (2 hours) | Dec 2024
10. **Data Visualization (Seaborn)** - Satr Platform (2 hours) | Feb 2025
11. **Advanced Excel** - Doroob Platform (3 hours) | Feb 2025

LANGUAGE

Arabic

English