Mazen Ashraf

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PROFESSIONAL SUMMARY

Results-driven **Data Analyst** with a **Computer Science** background and hands-on experience in **Python**, **SQL**, and **Power BI**. Successfully finished **20+ projects** focusing on data cleaning, modeling, and visualization. Certified by Google, NTI, and DEPI (Egypt) in Data Analytics and Machine Learning. Passionate about transforming complex datasets into actionable insights that drive business decisions.

EDUCATION

Bachelor of Science in Computer Science – Akhbar El-Yom Academy / GPA: (3.1 / 4)   2022 – 2026

EXPERIENCE

Data Analyst (Remote)   Aug 2025 – Nov 2025

- Worked on freelance data analysis projects with a Senior Data Analyst using tools like **Excel, Power BI** and **SQL** handling data preparation, **cleaning**, and transformation.
- Built **Excel**-based reports and **dashboards** to present insights on sales, finance, and operations.
- Analyzed datasets to identify trends, **KPIs**, and actionable insights that support client decision-making.

Data Analysis Instructor, Developer Student Clubs (DSC)   Oct 2024 – Mar 2025

- Taught **data analysis** concepts and tools, including Python, SQL, Excel, Power BI, and Statistics.
- Guided students through hands-on projects, improving technical proficiency by 80%.

CERTIFICATES AND COURSES

- **Machine Learning Specialization (Stanford & DeepLearning.AI)** – **Coursera**   Nov 2025
- **Data Science – Ministry of Communications (DEPI)**   Dec 2025
- **Machine Learning Program – Ministry of Communications (NTI)**   Jul 2025
- **Google Advanced Data Analytics – Coursera**   Aug 2024
- **Google Data Analytics – Coursera**   Apr 2024
- **Data Analysis Diploma – Machinfy**   Dec 2023

PROJECTS

Kidney Disease Prediction — Python, Docker, Streamlit

- Engineered a robust **ML** pipeline: cleaned raw data, handled class imbalance using SMOTE,
  and optimized a **Random Forest** classifier.
- **Deployed** a containerized web application using **Docker** and **Streamlit**,
  ensuring 100% reproducibility via **Poetry** dependency management.

Bank Loan Data Analysis — SQL, Tableau

- Extracted insights using **SQL** and visualized them with **Tableau**, reducing the decision time by 60%.
- Identified key loan approval factors and made process recommendations.

Retail Sales Performance Dashboard — Excel

- Built an interactive **Excel Dashboard** analyzing over 20,000 transactions using **Pivot Tables** and slicers.
- Uncovered top 5 products contributing 28% of total revenue and identified return rates exceeding 12% for key items.
- Highlighted underperforming stores missing targets by up to 25%, enabling focused sales strategy.

Road Accident Analysis — Python, Power BI

- **Cleaned and analyzed** accident data using Python, handling duplicates and missing values.
- Designed **Power BI dashboards** to visualize trends and safety recommendations, achieving a 70% improvement in data clarity.
- Performed geospatial analysis to identify high-risk areas and propose actions.

SKILLS

- **Languages: Python** (Pandas, NumPy, Matplotlib, scikit-learn), **SQL**
- **Databases:** Microsoft SQL Server
- **Visualization: Power BI** (Power Query, DAX), **Tableau**, **Excel**
- **Data Handling:** Data Cleaning, Wrangling, Modeling, Missing Data Handling
- **Statistics:** Descriptive Stats, Hypothesis Testing, Data Interpretation
- **Machine Learning:** Supervised/Unsupervised Learning, **Neural Networks**, Model Evaluation, Deep Learning
- **Tools: Git** (Version Control), **GitHub**, VS Code, **Docker**
- **Soft Skills: Leadership**, Communication, Presentation, **Teamwork**, Adaptability

LANGUAGES

- **Arabic: Native**
- **English: Excellent**