

Mohamed Ayman Mohamed

Data Analyst | BI Developer

Riyadh, Saudi Arabia | +20 1020367115 | mohamedayman4business@gmail.com | [LinkedIn](#) | [GitHub](#)

Professional Summary

Detail-oriented **Data Analyst** with a solid background in **Accounting and Financial Management**, gained through hands-on experience as a **General Accountant using Odoo ERP** at a leading company in Egypt. Skilled in managing end-to-end accounting operations, financial reporting, and data-driven decision-making processes. Adept at collaborating with cross-functional teams including Sales, Procurement, and Planning Engineering to develop and implement effective business strategies based on thorough data analysis.

Certified in **Data Analysis** from the Egyptian Ministry of Communications, having successfully completed multiple practical projects that enhanced my proficiency in data visualization, statistical analysis, and problem-solving. Combining financial expertise with data analysis skills to deliver actionable insights that drive business growth and operational efficiency.

Professional Experience

- **General Accountant at ALMASRYA MACHINE Co.** – Gained hands-on experience in accounting, follow up the entire accounting cycle, from recording daily entries and postings to the general and partner ledgers, to following up on financial statements and analyses. and analyzing purchasing needs and preparing quarterly sales and manufacturing reports.
 - **NTI Data Analytics Training** – Gained hands-on experience in data analysis tools and mindset of Data Analyst.
-

Projects

[Sales Prediction Web App](#) – Personal Data Science Project

[Code](#)

Developed and deployed a web-based sales forecasting dashboard using machine learning and interactive visualization:

- Cleaned and prepared time-series sales data.
- Converted monthly data to datetime format and engineered features for modeling.
- Built a linear regression model to predict future sales trends.
- Designed a Streamlit web app for dynamic sales forecasting.
- Integrated user controls (sliders) to select forecast duration (1–12 months).
- Visualized actual vs. predicted sales using Matplotlib line charts.
- Displayed original and forecasted data interactively in tables.

Tools:

Python (Pandas, NumPy, Matplotlib, scikit-learn), Streamlit

[Financial Analysis](#) – Self Project

Designed and developed an interactive financial dashboard to analyze the company's P&L statement, including revenue streams, COGS, operating expenses, and profitability metrics:

- Data cleaning and preparation.
- Performed actual vs budget variance analysis.
- Calculated key financial indicators (EBITDA, EBIT, EBT, Net Profit).
- Created an interactive dashboard using Power BI.
- Provided insights and recommendations.

Tools:

Power BI, DAX, Power query, Excel.

[UK Train](#) – NTI Graduation Project

During this project, I processed raw UK train data and transformed it into an interactive dashboard using

Power BI. Here's a breakdown of my data pipeline and insights:

- EDA using python.
- Understanding the data.
- Removed null values.
- Calculated delay time.
- Extracted month for trend analysis.
- Dashboard using Power BI.
- Final report and providing appropriate recommendations.

Tools:

Python(Pandas), SQL Server(SQL Queries), Power BI.

Technical Skills

- **Programming Languages:** Python, SQL
- **Libraries and Frameworks:** Streamlit, Pandas, Numpy, Matplotlib
- **Tools:** SQL-Server, Power BI(DAX, Power Query), Excel(Pivot Tables, VLOOKUP, Variance Analysis), GitHub, Git, Odoo ERP
- **MS Office**

Soft Skills: Critical Thinking, Problem-Solving, Attention to Detail, Communication Skills, Data Storytelling
Time Management, Adaptability, Collaboration, Presentation Skills, Curiosity

Education

Bachelor of Applied Accounting for Specialized Sectors

Zagazig University, Faculty of Technology and Development, Egypt

2020 – 2024 (GPA : 3.36/4) | Cumulative Grade: Very Good(B+)

Courses and Trainings

Project Management – American Chamber of Commerce

- Gained practical knowledge of project lifecycle management, including planning, execution, risk control, budgeting, and team leadership using industry-standard methodologies.

FinTech Course – American Chamber of Commerce

- Explored core concepts in financial technology, including blockchain, digital payments, open banking, and their impact on modern financial services.

Employability Skills Track – AUC & Aspire

- Developed essential soft skills for the job market including effective communication, teamwork, problem-solving, time management, and professional readiness.

Assiut Oil Refining Company – Training

- Completed hands-on training in the accounting department, gaining exposure to financial documentation, transaction recording, and internal reporting procedures in a large-scale industrial environment.

Banque Misr – Online Training

- Completed a virtual training program covering the role of banks in the economy, digital transformation in banking, financial inclusion, and modern banking services.

Languages

Arabic : Mother tongue

English : Advanced