

# MAI MOHAMMED SERRY

Alexandria, Egypt | +201221175831  
[maiserry100@gmail.com](mailto:maiserry100@gmail.com) | [LinkedIn](#) | [GitHub](#)

## SUMMARY

*I'm graduate Computer Science student specializing in Data Science. Aspiring Data Analyst with expertise in Excel, SQL, and Power BI. Passionate about transforming data into actionable insights to drive business decisions. Strong problem-solving and self-learning skills*

## EDUCATION

### Alexandria University

Sep 2021 – Jun 2025

BA, Computer Science and Data Science

GPA 3.72/4

### ALX

Mar2024 – May 2025

Data science trainee

## WORK EXPERIENCE

### ML Intern

Mar 2024 – Oct 2024

Shai for AL -Jordan

- Trained and deployed a regression model (Python) to predict customer churn, achieving 85% accuracy.
- Optimized existing ML pipelines, reducing processing time by 20%.

### Data Analyst Intern

May 2024 – July 2024

[Icealex -digital africa](#)

- Analyzed sales data using SQL and Excel, identifying top-performing products (15% revenue increase).
- Designed a Power BI dashboard to track regional sales, adopted by the management team.

## licenses & certifications

### Datacamp

- [Data Analyst in Python](#)
- [Supervised Learning with scikit-learn](#)

### IBM

- [Tools for Data Science](#)
- [Data Analysis with python](#)
- [Data visualization with python](#)
- [Databases and SQL for Data Science with Python](#)
- [Python Project for Data Science](#)
- [Python for Data Science, AI & Development](#)
- [Data visualization with python](#)

## Skills

- **Data Analytics & Processing:** advanced Excel, SQL (Joins, CTEs, Window Functions), Python (Pandas, NumPy)
- **Data Visualization:** Power BI, python (Matplotlib, Seaborn)
- **Machine Learning:** Scikit-learn, Regression, Classification, Clustering, Model Evaluation
- **Data Cleaning & Transformation:** Data wrangling, handling missing data, outlier detection
- **Mathematics & Statistics:** Descriptive Stats, Probability, Hypothesis Testing
- **Tools & Technologies:** Jupyter Notebook, Git, Google Sheets, VS Code

## Soft Skills

- Self-learning
- Problem-solving
- communication
- Teamwork

## Projects

---

### [Water Access in Maja Node](#)

[\(repo & Insights\)](#)

Analyzed water infrastructure challenges impacting 28M people, revealing 69% of water collectors are women facing safety risks. Developed Power BI dashboards tracking \$154M infrastructure budget, drilling costs, and temporal crime patterns to optimize resource allocation.

### [Hypermarket Sales](#)

[\(repo & Insights\)](#)

This sales analytics project aims to evaluate and visualize the performance of sales operations for Q1 2019 across three branches in Naypyitaw, Yangon, and Mandalay.

### [Shipping Company](#)

[\(repo & Insights\)](#)

Analyzed \$256M sales data to identify top products (detergents), channels (89% retail), and performers (Amgad - \$29.1M sales), revealing discount-driven volume spikes and weekday sales patterns to optimize promotions and operations.

### [Water access sql](#)

Analyzed water access data using SQL to evaluate service coverage, identify contamination risks, and optimize resource allocation. Developed performance metrics for field employees and uncovered queue time patterns to improve water delivery efficiency.

### [Uber Ride Data Analysis Project](#)

Analyzed Uber ride data to identify key patterns in trip duration, distance, and purpose, uncovering peak usage times and business vs. personal ride trends. Engineered time-based features and performed data cleaning to enhance insights for operational optimization.

### [Retail Sales Data Warehouse Analysis](#)

Analyzed a multi-dimensional retail dataset using SQL, uncovering key trends in customer behavior, product performance, and seasonal sales patterns. Identified VIP customer impact, top categories (Electronics/Apparel), and December peak sales to drive strategic decision-making.

### [Coffee Sales Analytics](#)

Developed an interactive dashboard using Excel analyzing 2019-2022 coffee sales data, identifying top customers (Derick Snow), product preferences (Arabica/Medium roast), and regional opportunities (UK expansion). Visualized trends to optimize loyalty programs and inventory planning.