

Ali Rabie Mahmoud

Data Analyst

alirabie0128@gmail.com
linkedin.com/in/alirabie0128

+201129240415
github.com/ali-0128

Cairo, Egypt
ali-0128.github.io/Portfolio

Professional Summary

Junior Data Analyst with a statistical background (3.6 GPA) and professional training at (NTI & ITIDA). Skilled in ETL pipelines, Proficient in Power BI, SQL Server, Excel, Tableau, R and Python — delivering end-to-end analytics across HR, E-commerce, marketing, telecom, and startup ecosystems. Built 8+ dashboards and pipelines that uncovered 207% YoY growth, 1.67M in churn-driven revenue risk, and \$419.7B in global startup funding patterns.

Training & Experience

National Telecommunication Institute (NTI)

Mar 2026 – May 2026

Data Analytics Intern — Benisuef, Egypt

- Completed intensive training covering SQL, Python, R, Excel, Tableau, and Power BI across 3 months
- Processed 1.45M+ records across 11 tables achieving 0 duplicate rows — applied systematic missing-value framework across all columns.
- Delivered graduation project: full-stack startup ecosystem pipeline (Crunchbase 2013, 1.45M+ records) — Python · SQL Server · Power BI

Projects

- Crunchbase Startup Ecosystem Analysis** | Python · SQL Server · Power BI
 - Uncovered \$419.7B in funding patterns across 196K companies, 175 countries — Biotech leads avg round size, only 5.36% reach exit
 - Delivered 6-page interactive dashboard answering: what drives startup funding and successful exit?
github.com/ali-0128/startup-ecosystem-analytics
- Olist E-Commerce Analytics** | Python · SQL Server · Power BI
 - Built end-to-end pipeline for 100K+ orders using Python, SQL, and DAX
 - Uncovered 207% YoY growth, \$1M+ churn risk, and \$2.5M revenue opportunity
github.com/ali-0128/olist-ecommerce-analytics
- Real Estate Valuation** | Python · Scikit-learn · Statsmodels
 - Built OLS regression model on Madrid property data achieving $R^2=0.87$
 - Identified top price drivers: location, size, and proximity to amenities
github.com/ali-0128/Real-Estate-Valuation-Regression-Madrid-Python

Key Skills

- Programming Languages & Databases:** Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly, Statsmodels) · R · SQL Server (Joins, CTEs, Window Functions, Subqueries, Schema Design) · Big Query · ETL Pipelines
- Data Visualization & BI:** Power BI (DAX, Power Query, Interactive Dashboards, Data Modeling) · Tableau · Excel (PivotTables, Power Query, Advanced Formulas, Modeling) · Looker Studio
- Statistical & Analytical Methods:** Regression (OLS, Multiple) · Hypothesis Testing · A/B Testing · EDA · Descriptive & Inferential Statistics · Data Cleaning & Handling Large Data Sets
- Business Analytics:** RFM · CLV · Churn & Cohort Analysis · KPIs (ROI, CVR, AOV, CAC, Retention)
- Tools:** Git & GitHub · Jupyter Notebooks · VS Code
- Professional Skills:** Data Storytelling · Critical Thinking · Problem-Solving · Collaborative · Communicative

Education

Al-Azhar University, Cairo

Sep 2019 – Aug 2023

Bachelor of Psychology & Statistics

GPA: 3.6 / 4.0

- Relevant Coursework: Statistics & Probability, Research Methods, Behavioral Data Analysis.

Courses & Certifications

- ITIDA Data Analysis Track** — Information Technology Industry Development Agency Feb 2026
- Data Analysis with Python** — FreeCodeCamp Mar 2025
- Data Literacy Professional Certificate** — DataCamp Dec 2024
- Building Business Reports Using Power BI** — 365 Data Science Nov 2024
- Thinking Like an Analyst** — Maven Analytics Oct 2024

Language

Arabic (Native) English (Professional Working Proficiency)