

Nourhan Khalifa Abdelal

Data Analyst

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PROFESSIONAL SUMMARY

Data Analyst with hands-on experience across two data analytics internships (Digital Egypt Pioneers Initiative and EraaSoft), skilled in Excel, SQL, Power BI, and Python. Delivered 12 dashboards and 2 SQL Server database projects, analyzing 5,600+ records and answering 50+ business questions, turning raw, real-world datasets into decision-ready insights.

TECHNICAL SKILLS

Programming Languages: SQL, Python, HTML, JavaScript, CSS
Data Analysis & BI: Power BI, Power Query, Power Pivot, DAX, Excel, pandas, NumPy, Matplotlib, Seaborn, Plotly, scikit-learn
Databases: SQL Server, MySQL, Database Design (ER Diagrams, Relational Modeling)
Tools: Git, GitHub, Jupyter Notebook, VS Code, Figma
Core Competencies: Data Cleaning, Data Modeling, Dashboard Design, Exploratory Data Analysis, Business Reporting
Soft Skills: Fast Learner, Analytical Problem-Solving, Attention to Detail, Flexible, Cooperative, Time Management, Adaptive

EXPERIENCE

Data Analyst Intern — Digital Egypt Pioneers Initiative (DEPI)

Data Analysis Track
Full project portfolio available on GitHub: github.com/nourhankha1ifa/Data_Analysis

- Designed a 4-page Power BI Amazon dashboard order and product-catalog data
- Built 4 additional Power BI dashboards — 3-page hospital analytics, survey/HR analytics, Sales, Order Analysis
- Designed a constrained SQL Server database (SD32-Company) with CHECK, UNIQUE, and composite-key constraints, then wrote 6 user-defined functions (scalar and table-valued) for conditional logic, date formatting, and NULL handling.
- Built an Excel sales-performance dashboard analyzing profit, discounts, and production cost across 3,678 orders.
- Built a second Excel dashboard analyzing 1,948 hotel guest feedback responses, unpivoting ratings into 15,584 rows
- Cleaned a messy sales export joined from company/supplier data in Python (pandas, Matplotlib, Seaborn, Plotly), deduplicating on composite keys and running univariate-to-multivariate analysis to surface top-10 customers and monthly trends.

Data Analyst Intern — EraaSoft

Data Analysis Track
Full project portfolio available on GitHub: github.com/nourhankha1ifa/Data_Analysis

- Built a 7-table Retail Sales Management System in SQL Server, answering 50 business questions
- Built 3 Power BI dashboards — Kickstarter, AdventureWorks Sales, Sales Performance
- Built 2 independent Excel dashboards — Superstore sales and multi-branch retail
- Cleaned an HR dataset in Python/pandas, filling missing salaries, removing duplicates, and engineering 7 new features (experience level, salary bands, bonus/compensation, hire year/month).

EDUCATION

B.Sc. in Data Science — Helwan National University

Faculty of Computer Science and Information Technology
Expected Graduation: 2027 | GPA: 3.10 / 4.0 | Senior (4th Year)

CERTIFICATIONS

- Data Analysis Course — EraaSoft & Egyptian Engineers Syndicate, accredited certificate [April 2025]
- Data Analysis Track (Certificate 1 & 2) — Digital Egypt Pioneers Initiative (DEPI) [July 2026]
- CS50: Introduction to Computer Science with Python — Harvard University (edX) [July 2026]
- CS50: Introduction to Databases with SQL — Harvard University (edX) [July 2026]
- CS50: Introduction to Artificial Intelligence with Python — Harvard University (edX) [In Progress – Expected August 2026]
- CS50: Web Programming with Python and JavaScript — Harvard University (edX) [In Progress – Expected August 2026]

LANGUAGES

Arabic — Native | English — Professional Working Proficiency | Spanish — Limited Working Proficiency