

Shahd Kordy

Data Analytics Engineer | Instructor

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PROFILE

Data Analytics Engineer specializing in end-to-end data solutions. I leverage Python, SQL, and Power BI to automate workflows, ensure data quality, and visualize complex metrics. Passionate about bridging the gap between technical data processes and actionable business strategies for non-technical stakeholders.

PROFESSIONAL EXPERIENCE

Applied AI (DEBI Scholarship), Digital Egypt Builders Initiative (DEBI)

2025 – Present | Egypt (Hybrid)

Leveraging **Generative AI** and modern AI tools to enhance data analytics. Focusing on using **LLMs** to automate workflows and extract insights from complex data.

Data Analyst, Hawiet Baitak | (Saudi Company) | Full Time

10/2025 – Present | Remotly

- **Data Pipelines & QA:** Designed automated cleaning workflows using **Advanced Excel (Power Query)**, ensuring 100% accuracy for high-volume sales data.
- **Visualization:** Built dynamic dashboards to track Sales KPIs and regional distribution, directly supporting inventory planning.
- **Process Optimization:** Automated complex commission calculations based on multi-variable logic, significantly reducing manual processing time.

Coding & Robotics Instructor, Scientific Center | Part Time

07/2025 – Present | On Site

- Developed custom tracking tools to analyze student performance data and identify learning gaps.
- Generated data-driven weekly reports to optimize curriculum delivery and measure outcomes.

Data Analyst Trainee (DEPI Scholarship), Digital Egypt Pioneers Initiative (DEPI)

06/2025 – 12/2025 | Egypt (Hybrid)

- Completed an intensive 6-month track covering the full data lifecycle (ETL to Visualization).
- **Technical Stack:** Mastered **SQL** for database management and **Python (Pandas)** for statistical analysis and EDA.
- **Visualization:** Designed interactive **Power BI** dashboards using complex **DAX** measures for real-world capstone projects.

Coding & AI Instructor, Hi DeepAI | Part Time

02/2025 – 10/2025 | On Site

- Delivered 250+ hours of **Python** training focused on data-driven problem-solving.
- Analyzed skill assessment data to tailor educational materials for diverse age groups.

SKILLS

Technical Skills

- **Programming & Analysis:** Python (Pandas, NumPy, Scikit-learn), SQL (T-SQL), DAX, Statistical Analysis, EDA, Predictive Modeling.
- **BI & Visualization:** Microsoft Power BI, Tableau, Advanced Excel (Power Query), Dashboard Design, Data Storytelling.
- **Data Engineering:** ETL Processes, Data Warehousing, Data Modeling, SQL Server (SSMS), Firebase (Firestore).
- **Tools:** Git, GitHub, VS Code, Jupyter Notebooks.

Professional Skills (Soft Skills)

- Analytical Thinking & Problem Solving
- Effective Communication & Public Speaking
- Leadership, Mentoring & Team Collaboration
- Project Planning & Time Management
- Curriculum Development & Instructional Design
- Adaptability & Fast Learning

EDUCATION

Bachelor's Degree in Computer Science, Nahda University (NUB) - Very Good

10/2021 – 07/2025

Tracelet (Graduation Project),

Developed from October 2024 to July 2025

Award-winning child safety system (**1st Place, Excellent Grade**) designed for continuous protection. Key features include uninterrupted long-range tracking, real-time geofencing with instant alerts for safe and danger zones, multi-child monitoring on a single interactive map, and an AI-powered assistant for user support.

CERTIFICATIONS

Microsoft Power BI Data Analyst Professional Certificate, Microsoft

Completed 4/8 courses covering Data Prep in Excel, ETL automation using Power Query, and advanced Data Modeling with DAX.

1. Preparing Data for Analysis with Microsoft Excel:
2. Harnessing the Power of Data with Power BI.
3. Extract, Transform, and Load (ETL) Data in Power BI.
4. Data Modeling in Power BI.

Data Analysis & Visualization Track, Digital Egypt Pioneers Initiative (DEPI)

Intensive 6-month program mastering the full data lifecycle: ETL (SQL, Power Query), Statistical Analysis (Python/Pandas), and Dashboarding (Power BI, Tableau)

Data Analyst with Python Career Track, DataCamp

60-hour comprehensive track on Data Science foundations, EDA, and visualization using Pandas, NumPy, and Seaborn.

Data Analytics Foundations & Career Essentials by Microsoft, LinkedIn Learning

Professional Development: Completed a series of courses covering the data analyst career path, core data concepts, and essential Microsoft tools required for professional analysis.

Instructional Design & E-Learning Specialization, Mahara Tech-ITI

Mastered curriculum design and LMS management (Moodle, Articulate Storyline 3) for educational content creation.

PROJECTS

ProHost Hotel Analytics System, DEPI Capstone

Developed a full-cycle analytics solution with 3 interactive dashboards (Financial, Reservations, NPS), utilizing advanced DAX to visualize KPIs for decision-making.

Financial Fraud Detection System, Python, Scikit-learn

Built an anomaly detection model using **Isolation Forest** and **AutoEncoder** to identify fraudulent transactions and enhance financial security.

Customer Segmentation Analysis, Python, K-Means Clustering

Applied **K-Means Clustering** to segment customers by behavior, deriving actionable insights for targeted marketing strategies.

LANGUAGES

English - Fluent

Arabic-Native

REFERENCES

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