Ahmed Khaled *Data Engineer*

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Career Objective

Computer Science undergraduate specialized in Artificial Intelligence, seeking a role in data engineering. Backed by hands-on experience from internships at DEPI and Elevvo. Known for strong problem-solving skills and analytical thinking. Committed to learning and delivering high-quality solutions.

Education

The British University in Egypt   2022 – 2026 | Cairo, Egypt
Informatics and Computer Science — Artificial intelligence
GPA: 4.0   Rank: 5th   Grade: A+

Experience

Elevvo Pathways | Data Analysis Intern   July 2025 – Present | Remote
- Performed exploratory data analysis on various datasets using Python (Pandas) and Excel.
- Applied data cleaning by handling missing values, formatting inconsistencies, and type conversions.
- Conducted RFM analysis to segment customers and generate marketing insights.
- Used SQL for querying relational datasets, performing JOINs, aggregations, to answer key questions.
- Built dashboards and performance reports using Excel (pivot tables, charts, KPIs), and developed interactive visualizations and trend analyses.
- Applied web scraping techniques with Python using BeautifulSoup and Selenium to analyze job posting trends and extract key data fields.
- Strengthened self-management through independent project delivery and professional reporting.

Digital Egypt Pioneers Initiative | Microsoft Data Engineer   June 2025 – present | Hybrid
- Built a strong foundation in data engineering concepts, including data pipelines, data lifecycle management, and modern data architecture.
- Manipulated real-world data for analysing and automating tasks using Python, NumPy, and Pandas
- Developed soft skills in professional communication, freelancing fundamentals, personal branding, and technical presentations through career development.

Projects

Data Science & Visualization   May 2025
Conducted a comprehensive data analysis on a Spotify streaming dataset to identify key factors influencing track rankings and uncover additional platform insights. Used Python, pandas, matplotlib, and seaborn for data cleaning, transformation, and analysis. Delivered findings through data visualizations.

Automatic Vehicle License Plate Blurring System   April 2025
Created an AI-powered based image processing system to automatically detect and blur vehicle license plates in images and videos.
- Trained and compared different YOLO models - 8, 10, 11 - across multiple epochs.
- Compared them based on precision, recall, and mAP.
- Selected YOLOv11n and trained it for 50 epochs
Tested the final model on real-world scenarios, including various angles, lighting, and plate styles. Applied Gaussian blur anonymization and real-time video processing using PyTorch, OpenCV, and CUDA training.

Extracurricular Activities

Educational Visit - WE Telecom   March 2025 | Smart Village
- Visited the WE Telecome Data Center as an educational trip organized by our university.
- Gained knowledge about data storage systems and server infrastructure in a real-world enviroment.

- Learned about the methods used to secure data, including cybersecurity, backup, and disaster recovery.
- Observed various hardware components, including servers, firewalls, and storage arrays.

ECPC - Egyptian Collegiate Programming Contest   June 2024 | Alexandria
- Participated in the compatition, earning 2nd place on our college.
- Practiced self-learning by solving problems on Codeforces and learning new topics and algorithms.
- Active memeber of the ACM (Association for Computing Machinery) club.

Courses

ALX Data Science   January 2025 – present

Languages

Arabic — Native/Bilingual   **English** — Fluent