Ahmed Abdelaziz

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About Me

Computer Science student specializing in Data Science and Artificial Intelligence, with strong foundations in programming, algorithms, and mathematics. Experienced in applying machine learning and data analysis techniques to extract insights and solve complex problems. Passionate about leveraging data-driven solutions to address real-world challenges.

Education

Bachelor of Science in Computer Science

Arab Open University, Egypt   **September 2023 – May 2027**

GPA: 3.95/4.0

Experience

Data Science Intern

DEPI (Digital Egypt Pioneers Initiative) — Remote   **June 2025 – Present**

- Selected for a practical data science internship in collaboration with **IBM**.
- Applied my Python skills to real-world data projects using tools like **Jupyter Notebooks**, **SQL**, and **MLflow**
- Studied and worked on topics such as:
    - Prompt Engineering and Introduction to Data Science
    - Tools and Methods used by Data Scientists
    - Databases and SQL for Data Science
    - Data Analysis and Visualization with Python
    - Machine Learning with Python
- Completed hands-on tasks and projects focused on solving business problems with data.
- Gained experience in analyzing data, building models, and delivering useful insights to support decision-making

Projects

Analyzing Students' Mental Health (DataCamp Project – Intermediate SQL)

- Applied SQL for data cleaning, filtering, and aggregation on a student mental health dataset.
- Conducted exploratory data analysis to uncover trends and relationships between academic and lifestyle factors.
- Strengthened intermediate SQL skills including joins, subqueries, and window functions.

Predicting Movie Box Office Revenue (Machine Learning Project – Python)

- Built and evaluated regression models to predict movie revenue based on features such as budget, cast, genre, and release date.
- Applied data preprocessing, feature engineering, and exploratory data analysis to improve model performance.
- Utilized Python (Pandas, Scikit-learn, Matplotlib) to develop and visualize insights.

Courses

Programming in Python | Meta

Data Analysis with Python | IBM

Databases and SQL for Data Science with Python | IBM

Python Data Structures | University of Michigan

Associate Data Analyst in SQL | Data Camp

Skills

Programming & Databases: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), SQL (PostgreSQL, MySQL)

Machine Learning & AI: Supervised & Unsupervised Learning, Regression, Classification, Clustering, Neural Networks (basics)

Data Analysis & Visualization: Exploratory Data Analysis (EDA), Data Cleaning, Feature Engineering, Data Visualization, Dashboards

Mathematics & Statistics: Probability, Linear Algebra, Statistical Inference

Tools & Platforms: Git/GitHub, Jupyter Notebook, Google Colab, DataCamp