Ahmed Khaled Moghazy

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Education

Cairo University, BSc in Computer Science   Oct 2021 – Jul 2025
Major: Data Science   **GPA:** 3.23/4.0

Experience

Data Engineer Intern, Orange Egypt   Aug 2024
- Automated ETL workflows using Ni-Fi and dbt models for company voucher data.
- Explored orchestration with Apache Airflow to schedule pipelines.

Data Science Intern, ValU   Jul 2024
- Analyzed company growth trends and developed strategic insights.
- Developed Power BI dashboards that visualize KPIs, improving decision making for senior management.
- Built and tested ML models (Random Forest, XGBoost) for customer lifetime value prediction, achieving 0.70 AUC.

Data Science Intern, Advanced Computer Technology (ACT)   Aug 2023 - Sep 2023
- Conducted EDA on large datasets and presented insights to stakeholders.
- Automated web scraping pipelines using BeautifulSoup.

Projects

Symplif.ai – Automated Machine Learning Platform | *Python Django, Scikit-learn, Optuna.*   June 2025
- Designed AutoML pipeline with data preprocessing, feature selection, model selection, and hyperparameter tuning.
- Implemented optimization methods (Grid Search, Random Search, Bayesian Optimization) to maximize performance.

Expensum – Smart Expenses Tracker | *React, Java Spring Boot, Ollama, JWT.*   April 2025
- Built a full-stack expense tracker website with JWT-based authentication.
- Integrated Mistral LLM to convert user input in natural language into structured expense entries, enhancing automation.

Twitter Sentiment Analysis | *Tensorflow, NLTK.*   Jan 2025
- Built sentiment classification models on Sentiment140 (1.6M tweets) using LSTM with Word2Vec embeddings.
- Achieved 83% accuracy and 0.83 F1-score.
- **Tools Used:** Python, TensorFlow, Keras, Pandas, NumPy, NLTK, Scikit-learn.

Data Warehouse Design for Anime Recommendations | *SQL, Database Design.*   Jan 2024
- Designed a star schema data warehouse for a recommendation dataset with automated daily CSV loads via SQL jobs.

Certifications and Achievements

- Deep Learning Specialization by DeepLearning.AI.
- Huawei ICT Competition – Cloud Track (2025)
  - Grand Prize in North Africa.
  - 2nd Prize in Global Final (2025).
  - Led AI Section, Representing Cairo University & Egypt.

Skills & Technologies

Programming Languages: Python, C++, SQL, HTML, CSS, JavaScript.

Data Science: Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn, NLTK.

Data Engineering: Apache Ni-Fi, dbt, Apache Airflow, HDFS.

Visualization: Power BI, Tableau.

Core CS: Data Structures & Algorithms, Distributed Systems, OS, Database Management.

Soft Skills: Communication, teamwork, problem solving, critical thinking, adaptability.