

Ahmad Gadalla

Heliopolis Cairo

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Education

Cairo University

B.Sc. in Computer and Artificial Intelligence, Data Science Department

Sep. 2021 – May 2025

Cairo, Dokki

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Data Mining
- Deep Learning
- Database Management
- Data Analysis
- Data Visualization

Experience

Brightskies

Summer Internship

Aug 2023 – Sep 2023

Smart Village

- Gained hands-on experience with Python, data manipulation libraries, and visualization tools.
- Completed a capstone project involving data cleaning, analysis, and visualization of a real-world dataset.

Brightskies

Summer Internship

Jul 2024 – Sep 2024

Smart Village

- Gained Knowledge on how to prepare data for computer vision models
- Gained knowledge on different neural networks and applied it on different projects

Huawei

Offline Artificial Intelligence Specialization course

Sep 2023 – Oct 2023

offline – Cairo University

- Completed an offline specialization course focusing on the fundamentals and applications of Artificial intelligence, including supervised and unsupervised learning techniques.
- Learned various Machine learning techniques as Classification , Regression and Clustering
- Learned basics of neural networks

Top Projects

- [Graduation Project – Snapfit: AI Stylist Mobile Application](#)
 - Developed a mobile application that acts as an AI stylist by classifying uploaded clothing images into categories (top, bottom, shoes, bags).
 - Implemented a custom clothing database storing both item metadata and vector embeddings for enhanced querying and recommendation.
 - Utilized CLIP embeddings for male styling suggestions and InceptionV3 + VSE for female styling, enabling gender-specific outfit generation based on vector similarity.
 - Integrated a Retrieval-Augmented Generation (RAG) chatbot to answer user queries and assist with style suggestions.
 - Designed the system to recommend similar clothing items from a shop database using vector-based similarity search.
- [Library Management System:](#)
 - Developed a highly efficient and intuitive Entity-Relationship Diagram (ERD) for the Library
 - Spearheaded the creation of a visually stunning and user-friendly graphical user interface (GUI) for the Library Management System
 - Played a pivotal role in refactoring code for the entire project, resulting in enhanced functionality, increased code maintainability, and reduced system errors
- [Anime Data Warehouse:](#)
 - Created a clear star schema for a fact table and implemented it using MSQL
 - Implemented an automated data loading procedure and utilized the jobs feature to schedule the jobs for daily execution
- [Disease Symptom Prediction:](#)
 - used Apriori to find the hidden patterns between symptoms and diseases

Technical Skills

- **Programming Languages:** Python, C++, Java, SQL, NoSQL
- **Libraries/Frameworks:** Pytorch, Scikit-Learn, Pandas, NumPy, Matplotlib, seaborn, Tensorboard
- **Concepts :** Data Preprocessing, Deep Learning, Machine Learning, Statistical Analysis, Data Mining, Time Series Analysis, Feature Engineering, Problem Solving, Software Engineering