


Adham Ehab Eldrini

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PROFILE

Generative AI and Data Science enthusiast with hands-on experience in building data-driven and AI-powered solutions. Strong background in **Python**, **Machine Learning**, and **data analysis**, with a growing focus on **Large Language Models (LLMs)**, **Prompt Engineering**, and **real-world AI applications**.

EDUCATION

Faculty of Computer & Data Science - Alexandria University Sep 2022 – Jun 2026 (Exp.)
B.S. in Computer Science (Data Science) GPA: 3.3/4.0

SKILLS

AI & ML: Generative AI, Large Language Models (LLMs), Prompt Engineering, Machine Learning
Programming: Python, C++, R, Java, JavaScript
Data: NumPy, Pandas, SQL Server, MySQL, MongoDB, Power BI, Tableau
Tools: Scikit-learn, Jupyter Notebook, Git, GitHub
Soft Skills: Teamwork, Problem Solving, Leadership, Communication

EXPERIENCE

Generative AI Trainee – Digital Egypt Pioneers Initiative (DEPI) Nov 2025 – Present
– Selected participant in Egypt’s national Digital Egypt Pioneers Initiative.
– Studying Generative AI concepts including Large Language Models (LLMs) and Prompt Engineering.
– Building AI-powered applications and exploring real-world use cases for AI solutions.

Data Science Intern – MAIM Jul–Sep 2025
– Completed an intensive data science internship focused on real-world data analysis and modeling.
– Worked with structured datasets to extract insights and support data-driven decision making.

SELECTED PROJECTS

Student Performance Prediction Project - [GitHub Link](#)
– Performed exploratory data analysis (EDA) on educational datasets to identify key performance factors.
– Built and evaluated predictive machine learning models to forecast student outcomes.
– Translated analytical results into actionable insights to support academic decision-making.

Heart Attack Prediction System - [GitHub Link](#)
– Developed a complete machine learning pipeline for heart disease prediction using medical data.
– Performed data preprocessing, feature scaling, and exploratory data analysis (EDA).
– Trained and evaluated multiple models including SVM, KNN, Naive Bayes, and Decision Tree.
– Achieved up to 89% AUC using optimized SVM with class-weight handling.

Loan Approval Prediction System - [GitHub Link](#)
– Built an end-to-end ML pipeline to predict loan approval using financial and demographic features.
– Performed preprocessing, scaling, and dimensionality reduction using PCA and LDA.
– Trained and tuned SVM with GridSearchCV; achieved high accuracy using LDA + SVM.

CERTIFICATIONS

Data Science Training Program Certificate – MAIM	2025
Summer Internship Certificate – CIB	2025
CCNA: Introduction to Networks – Cisco & AUF	2025

EXTRACURRICULAR ACTIVITIES

Scouting Activity – Alexandria University

- Participated in volunteer scouting activities at the college
- Awarded Ideal Scout at Alexandria faculties level
- Awarded Ideal Scout at Egyptian universities level

LANGUAGES

Arabic: Native **English:** Upper-Intermediate (B2)