

# Ahmed Ayman Alhofy

Data & ML Scientist | Cairo, Egypt | +201027557259 | [ahmedalhofy42@gmail.com](mailto:ahmedalhofy42@gmail.com) | <https://github.com/AhmedAyman4> | <https://www.linkedin.com/in/ahmed-alhofy/> | [View my Website!](#)

## Summary

Aspiring Data & Machine learning Scientist with skills in Python, SQL, ML, NLP, and data analysis. Proficient in Pandas, Scikit-learn, Tableau, and Power BI. Information Systems student at the Faculty of Computers & AI, University of Sadat City, passionate about solving real-world problems with data and AI.

## Education

**Bachelor's Degree, Faculty of Computers & Artificial Intelligence – University of Sadat City**

Graduating June 2026

CGPA: 3.2 & Major: Information Systems.

## Skills

**Languages:** Python (NumPy, Pandas, Scikit-learn, NLTK), SQL, MySQL, HTML, and CSS.

**Tools & Skills:** Excel, Tableau, Power BI, ML, NLP, data analysis, visualization, probability, statistics, OOP, problem-solving, communication, adaptability, and analytical thinking.

## Experience

**Data scientist | Digital Egypt Pioneers Initiative - DEPI · Internship|** Alexandria, Egypt · Hybrid

October 2024 – Present

- Analyze data using Python, SQL, and analytics tools to identify trends, opportunities, and business insights.
- Build and deploy ML models with Python, Scikit-learn, and MLflow, leveraging AI and prompt engineering for integration.

**Intern | CIB Egypt |** Cairo, Egypt

Jul 2024 - Jul 2024 · 1 Mo

- Gained data and financial literacy expertise, entrepreneurship, and teamwork to enhance problem-solving, decision-making, and business success.

## Projects

**Semantic Book Recommender With LLMS:**

- Developed a Semantic Book Recommender using LLMS with text cleaning, semantic search, and a vector database for natural language book queries. Implemented text classification and sentiment analysis for genre/mood filtering and built an interactive Gradio web app for seamless recommendations.

**Customer Segmentation in Marketing:**

- Conducted data analysis on acquisition channels' impact on student performance, applied ML clustering for customer segmentation, and used data visualization for insights and decision-making.

**Customer Conversion Prediction:**

- Developed a predictive model using ML (Random Forest, Gradient Boosting) to identify high-potential customers, optimizing marketing efforts through data analysis and visualization.

**Analyzing Customer Churn in Tableau:**

- Analyzed telecom customer churn using Tableau, created interactive visualizations to identify attrition drivers, and crafted a data story for stakeholder insights.

## Courses And Certifications

- [AWS Certified AI Practitioner Issued By Amazon Web Services Training And Certification](#)
- [Data Scientist Associate Issued By Data Camp](#)
- [AWS Academy Graduate - AWS Academy Machine Learning For Natural Language Processing](#)
- [AWS Academy Graduate - AWS Academy Cloud Foundations](#)
- [AWS Academy Graduate - AWS Academy Data Engineering](#)
- [Applied Data Science With Python - Level 2 Issued By IBM](#)
- [Google Data Analytics Professional Certificate Issued By Coursera](#)
- [The Machine Learning Process A-Z – Issued By 365 Data Science](#)
- [McKinsey Forward Program - Issued by McKinsey & Company](#)