

Ahmed Ayman Al-Hofy

Data & ML Scientist | Cairo, Egypt | +201027557259 | 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 using data to solve everyday challenges and applying AI to create practical, impactful solutions.

EDUCATION

Bachelor's Degree, Faculty of Computers & Artificial Intelligence – University of Sadat City Graduating June 2026
CGPA: 3.23 & Major: Information Systems.

SKILLS

Languages: Python (NumPy, Pandas, Scikit-learn, NLTK), SQL, MySQL, HTML, CSS, JavaScript, React.js, and Next.js.

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 Oct 2024 – May 2025

- 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

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

PROJECTS

Semantic Book Recommender With LLMS:

- Built an end-to-end book recommendation system that enhanced user query relevance and filtering by integrating semantic search, zero-shot classification, and sentiment analysis using LLMs; deployed an interactive Gradio web app enabling real-time recommendations based on tone, genre, and natural language input.

Customer Segmentation in Marketing:

- Conducted data analysis on acquisition channels' impact on student performance to generate insights and support decision-making by applying ML clustering for customer segmentation and data visualization techniques.

Customer Conversion Prediction:

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

Analyzing Customer Churn in Tableau:

- Analyzed telecom customer churn to identify attrition drivers by creating interactive visualizations in Tableau and crafting a data story for stakeholder insights.

COURSES AND CERTIFICATIONS

AWS Certified AI Practitioner Issued by Amazon Web Services Training and Certification	Apr 2025
Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate Issued by Oracle	Jun 2025
Data Scientist Associate Issued by Data Camp	Aug 2024
IBM SkillsBuild Data Analytics Certificate Issued by IBM SkillsBuild	Jun 2025
AWS Academy Graduate - AWS Academy Machine Learning for Natural Language Processing	Aug 2024
AWS Academy Graduate - AWS Academy Cloud Foundations	Jun 2024
AWS Academy Graduate - AWS Academy Data Engineering	Jun 2024
Applied Data Science with Python - Level 2 Issued By IBM	May 2024
Google Data Analytics Professional Certificate Issued by Coursera	Jul 2024
The Machine Learning Process A-Z – Issued By 365 Data Science	Nov 2024
McKinsey Forward Program - Issued by McKinsey & Company	Dec 2024