Ahmed Ayman Al-hofy

Data & ML Scientist | Cairo, Egypt | (+20) 1027557259 | 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, 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
- Data Scientist Associate Issued by Data Camp   Aug 2024
- 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
- AI Fundamentals Certificate Issued by Data Camp   Jul 2024