

Ahmed Elsayed

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<https://github.com/ahmedelsayed16112002/Projects>

Aspiring Machine Learning Data Scientist | Data Analyst

Senior student in Management Technology and Information System with strong skills in Python, SQL, and machine learning libraries like scikit-learn and TensorFlow. Experienced in building data-driven solutions and applying machine learning models for business insights. Seeking internships and roles in machine learning, data analysis, and data science.

Education & Certifications

- Senior Student, Management Technology and Information System, Port Said University
- Machine Learning Specialization (Coursera)
- Hands of machine learning with sicketlearn book
- Mathematics for Machine Learning and Data Science Specialization (Coursera)
- SQL Courses (DataCamp): Introduction to SQL, Intermediate SQL, Joining Data in SQL, Data Manipulation in SQL
- Excel Skills for Business Specialization (Coursera): Essentials, Intermediate I
- Power BI (YouTube)
- Pandas, NumPy, Matplotlib (YouTube)

Skills

- Programming Languages: Python, SQL
- Machine Learning: Supervised Learning, Unsupervised Learning, Regression, Classification, Clustering

- Data Analysis: Data Wrangling, Feature Engineering, Data Preprocessing, Model Evaluation
- Data Visualization: Matplotlib, Seaborn, Power BI
- Frameworks & Tools: scikit-learn, TensorFlow, Keras, Jupyter Notebook, Pandas, NumPy
- Databases & SQL: PostgreSQL, MySQL, SQL Server

Projects

- Sales Performance Report (Power BI Project)
Developed a comprehensive sales report to visualize key business metrics such as revenue growth, regional performance, and product category trends using Power BI.
- Olympic Games Historical Data Analysis (Power BI Project)
Built an interactive dashboard analyzing Olympic Games data, including trends in country performance, athlete achievements, and event participation using Power BI and DAX functions.
- Customer Behavior Analysis (Power BI Project)
Designed a dashboard for customer behavior analysis, focusing on purchasing patterns and customer lifetime value using complex DAX calculations.
- Business Operations Dashboard (Power BI Project)
Created a real-time dashboard to monitor business operations, integrating data from multiple sources using custom visuals and Power BI.
- Exploratory Data Analysis (Python Project)
Conducted exploratory data analysis (EDA) using Python on real-world datasets, involving data cleaning, feature engineering, and data visualization using Pandas, NumPy, Matplotlib, and Seaborn.
- End-to-End Machine Learning Pipeline (Python Project)
Built an end-to-end machine learning pipeline using Python on the California housing dataset. Tasks included data preprocessing, feature engineering, model training, and evaluation. Utilized tools like Pandas, NumPy, Matplotlib, and Scikit-learn to predict median house prices effectively.
- Linear Regression Model Training and Fine-Tuning (Python Project)
Developed and fine-tuned linear regression models to predict housing prices. Focused on optimization techniques such as gradient descent and evaluated performance using metrics like RMSE and MAE. Leveraged Python libraries such as NumPy and Scikit-learn.

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Voluntary & Extracurricular Activities

- Google Developer Student Clubs (GDSC)

Role: Organizing Team

Period: August 2023 – Present

Responsibilities: Led technical events and workshops focused on machine learning and data science within the student community.

- Google Developer Group (GDG) on Campus

Role: Technical Team Lead

Period: [Add relevant dates]

Responsibilities: Led a technical team in organizing workshops and events related to data science and machine learning technologies. Mentored students in Python programming and machine learning concepts.

- Hult Prize

Role: Vice President

Period: [Add relevant dates]

Responsibilities: Managed the Hult Prize program at the campus level, organizing events and guiding teams through entrepreneurial problem-solving challenges.

- Hayah Initiative

Role: Organizing Team

Period: November 2022 – January 2024

Responsibilities: Coordinated events focused on educating youth about community and social responsibility.

- Scout (College Team)

Role: Second-in-Command

Period: November 2022 – February 2023

Responsibilities: Led a team in environmental exploration and data collection projects.