

Ahmed Hussein Ali Abdelsalam Hussein

Data Science Senior

✉ ahmedhussein12215@gmail.com

☎ 01099846934

📍 Menofia

🌐 Ahmed Hussein

🔗 A7med668

Education

Faculty of Artificial Intelligence, Menofia University

Major: Data Science

Third-Year-Student

GPA : 3.61

2022– 2026
Menofia, Egypt

Projects

-AI Project (Connect4 Game using Minimax Algorithm)

- **Technology used:** (Python, Minimax Algorithm)
- **Objective:** To develop an AI-based Connect4 game using the Minimax algorithm to enable the computer to play optimally against a human player.
- **Role:** Designed and implemented the game logic, integrated the Minimax algorithm for optimal gameplay, and handled edge cases for a robust gaming experience.
- **Outcome:** Created an interactive Connect4 game with an AI opponent that consistently challenges the player, demonstrating advanced understanding of game theory and algorithm implementation.
- **Link:** GitHub Repository

-Diabetes Analysis Project

- **Technology used:** (Python, numpy, pandas, matplotlib)
- **Objective:** To analyze and visualize data to understand the relationship between diabetes and various factors such as age, BMI, and blood pressure.
- **Role:** Conducted data preprocessing, created insightful visualizations to highlight trends, and performed correlation analysis to determine significant factors affecting diabetes.
- **Outcome:** Developed a comprehensive report that identified key factors influencing diabetes, enhancing understanding for healthcare decision-makers.
- **Link:** GitHub Repository

-Kidney Disease Analysis Project

- **Technology used:** (Python, numpy, pandas, seaborn, scikit-learn, matplotlib)
- **Objective:** To analyze and visualize data to understand the relationship between kidney disease and various factors such as age, blood pressure, and other medical indicators.
- **Role:** Preprocessed data by handling missing values, analyzing features, and identifying duplicates. Created visualizations to highlight trends and performed correlation analysis to identify key factors affecting kidney disease.
- **Outcome:** Developed a comprehensive analysis and visualization framework that identified key factors influencing kidney disease, providing actionable insights for healthcare decision-making.
- **Link:** GitHub Repository

-Sentiment Analysis (deep learning Project)

- **Technology used:** (Python, scikit-learn, matplotlib, tensorflow, textblob, wordcloud, streamlit)
- **Objective:** To analyze customer reviews, classify their sentiment, and visualize key insights using language processing and machine learning techniques.
- **Role:** Preprocessed text, built sentiment classification models, visualized insights, and deployed a streamlit app.
- **Outcome:** Developed a sentiment analysis tool capable of classifying customer reviews with high accuracy. Provided users with interactive visualizations and actionable insights into customer feedback.
- **Link:** GitHub Repository

-Time Series Forecasting for household Power consumption project

- **Technology used:** (numpy, pandas, matplotlib, statsmodels, itertools, streamlit, plotly)
- **Objective:** To predict the power consumption for a given period of time based on time series data.
- **Role:** EDA and statistical analysis for Discovering whether the data is stationary or not.
- **Outcome:** visualized Power consumption for specific time with line plots and other graphs
- **Link:**GitHub Repository

TRAINING / COURSES

Udemy : Python Crash Course: Dive into Coding with Hands-On Projects

- <https://www.udemy.com/certificate/UC-92cbc004-7a72-4006-b2d1-1b140825e74a/>

Udemy : Data Manipulation in Python: Master Python, Numpy & Pandas

- <https://www.udemy.com/certificate/UC-6b44279e-dbef-4527-9759-cdcc1055be1d/>

Great Learning : SQL for Data Science

- https://drive.google.com/file/d/1qsvnzU-oFibYcPBWa7rW66iLfYq19KUf/view?usp=drive_link

Udemy : Introduction to Database Management Systems

- <https://www.udemy.com/certificate/UC-d9edac6d-57bf-4801-8d86-3f1523215a9c/>

Udemy : The Complete Microsoft SQL Server Course: From A to Z

- <https://www.udemy.com/certificate/UC-1a81deaa-f18e-422f-9215-2d89ed6566fa/>

Udemy : Microsoft Excel - The Complete Excel Data Analysis Course

- <https://www.udemy.com/certificate/UC-bf21b576-5d96-419a-950e-c482fbd5f80c/>

Skills

- C++, Python, ML, SQL, Excel, Data structure, PowerBi, Github, Cmd, Linux, Operating Systems

Internships

- Data Science Internship at Cognorise Infotech
- Machine Learning Internship at Prodigy Infotech
- Data Science Internship at CodeAlpha
- Commercial International Bank (CIB) Internship
- Eyooth Data Analytics Bootcamp

Interested In

- | | | |
|---------------------------|--------------------|-------------------------------|
| • Data Science | • Data Analysis | • Data Visualization |
| • Machine Learning | • Image Processing | • Deep Learning |
| • Artificial Intelligence | • Computer Vision | • Natural Language Processing |