




# Abdullah M. Abuhassan

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## Profile

Aspiring Data Scientist with hands-on experience in machine learning, data analysis, and natural language processing. Proficient in Python and SQL, with a strong foundation in computer science and a passion for developing scalable data-driven solutions.


## Education

**Bachelor's in Computer Science** 10/2021 – present  
*Menofia University*  
taken courses in OOP & Data Structures using C++ , OS and Robotics using C, Networking, Databases (SQL & Oracle), Machine learning Using Python


## Skills

**Programming** — C/C++, Python, **Machine Learning** — Scikit-learn, Numpy, Pandas, Matplotlib, **Data Handling** — SQL, Pickle, **Tools** — Git, Jupyter Notebooks, VS Code

## Projects


**MRS**  06/2024 – 06/2024  
*Music Recommendation System*

- **Personalized Recommendations:** Implemented **TF-IDF cosine similarity** for music suggestions.
- **Efficient Data Handling:** Serialized **similarity matrix** and music data using **pickle** for performance enhancement.
- **Text Processing:** Utilized **TF-IDF** Vectorizer to transform text data into meaningful vectors.
- **Scalability:** Designed to manage **large datasets**, making it suitable for extensive music libraries.


**TSA**  05/2024 – 05/2024  
*Twitter Sentiment Analysis*

- **Helped in making** a sentiment analysis system to classify the sentiment of tweets.
- **Data Preprocessing:** Cleaned and balanced the dataset by removing unnecessary elements such as URLs, hashtags, mentions, and stop words.
- **Text Normalization:** Applied **lemmatization** and **tokenization** to standardize the text data.
- **Feature Extraction:** Utilized **TF-IDF** Vectorizer to convert text data into meaningful vectors.
- **Model Training:** Implemented **Logistic Regression** for sentiment classification.

## Courses

**ML Specialization**   
*University of Washington (Coursera)*

- Currently enrolled in this comprehensive specialization, focusing on foundational and advanced machine learning concepts.
- Coursework includes supervised and unsupervised learning, deep learning, and reinforcement learning.
- Gaining practical experience with machine learning algorithms and techniques.
- Developed by leading experts in the field to enhance skills in data science and AI

**SQL for Data Science**   
*UCDAVIS (Coursera)*

- Completed the first course in this specialization, gaining foundational knowledge in SQL.
- Learned to write SQL queries to retrieve, filter, and aggregate data from databases.
- Applied SQL skills to real-world data science scenarios, enhancing data manipulation and analysis capabilities.

## Organizations

**Compiler Community** 10/2023 – present  
*Head Asistant*  
Assisted in organizing community events, managing member communications, and contributing to community projects.

## Languages

<b>Germany</b>	<b>English</b>	<b>Arabic</b>
A1	B1	C2