

Mariam salah

Data Engineer & Data Analyst

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Objective

Recent Computer and Information Science graduate (Very Good, Ain Shams University), specialized in Information Systems. Eager to apply analytical and technical skills in data, software, and teaching fields. Passionate about data-driven problem-solving, continuous learning, and sharing knowledge through training and instruction.

Education

Ain Shams university |computer and information science

Major: Information System | GPA: Very Good

Skills & abilities

- **Soft Skills** : Problem-Solving | Attention to Detail | Collaboration | Critical Thinking
- **Languages** : sql | python | R | c++ | c | java
- **Technical** : Databases | Business Intelligence | | Data Modeling | Visualization
- **Tools** : Oracle | MongoDB | MySQL | Power BI

Work Experience

- **Python Instructor:** Dean Coder Academy (August 2024 –November 2024)
 - ✓ Taught fundamental and intermediate python programming to students
 - ✓ Developed and delivered hands-on coding experience , supporting in mini-project and assessments

Internship

- **Artificial Intelligence** : ITI (01 July 2024– 16 July 2024)
 - ✓ Learned fundamental of Liner Algebra , Probability and Statistics , Python and NumPy
 - ✓ Learned Data Preparation and Cleaning , Supervised Learning and Unsupervised Learning
 - ✓ Introduction to Deep Learning
- **Associate Data Engineer in SQL** : datacamp (MAR 23, 2025)
 - ✓ Mastered SQL fundamentals and data manipulation, including SELECT, JOIN, GROUP BY, filtering, sorting, and aggregation for efficient data processing.

- ✓ Learned advanced SQL techniques, such as subqueries, window functions, and CTEs for complex data analysis.
- ✓ Gained expertise in relational database design, schema normalization, and ETL processes for data engineering workflows.
- ✓ Applied SQL to real-world scenarios, including data cleaning, transformation, and reporting for practical data engineering tasks.

Projects

- **Tourism company** : Designed and implemented a tourism company database project by creating an ERD model with six entities, converting it into a normalized relational schema, and building it using SQL.
- **Heart disease prediction** : python project detect if patient has heart disease or not with making visualization for statistic
- **Walmart** : draw time seires for big data using ACF,PCF,ARIME,cleaning , Apply data exploration Methods , Apply data cleaning , Visualize dataset using PowerBI , Develop and
evaluate a machine learning model in predicting sales , Making a time series for the sales of Walmart. It is between column sales and order Data
- **Restaurant Reviews** :Apply text analysis using preprocessing steps (Tokenization , stemming ,lemmatization), Apply Feature Extraction. (Bag of words, word embedding)
- **Chest X_ray**: This project aims to address these challenges by building a robust binary image classification model . The model progressively evolves through incremental improvements in architecture to optimize feature extraction, prevent overfitting, and maximize accuracy. The goal is to provide a systematic approach to building and refining CNNs, demonstrating how modifications such as adding layers, dropout, and batch normalization can enhance performance