

SHADY AHMED

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EDUCATION

- Bachelor of Science in Computer Science, Arab Academy for Science Technology and Maritime Transport (AASTMT) (2019-2023)
GPA: 3.3
- General Secondary Certificate, Futures Language School

PROJECTS

Rain Prediction in Australia

- Tasked with building a classifier to predict whether there will be rain the following day.
- Used a rainfall dataset from the Australian Government's Bureau of Meteorology, cleaned the data, and applied different classification algorithms to the data like Linear Regression, KNN, Decision Tree, Logistic Regression, SVM.

Wildfire Activities in Australia

- Analyzed and visualized the wildfire activities in Australia using the provided Dataset.

The Impact of Recession on Automobile Sales

- Analyzed the historical data and gave insights on how the sales were affected during times of recession.

Data Analytics for House Pricing Data Set

- Tasked with determining the market price of a house given a set of features.
- Analyzed and Predicted housing prices using attributes or features such as square footage, number of bedrooms, number of floors.

Analyzing Stock Performance and Building a Dashboard

- Extracted financial data (historical share price, quarterly revenue) from various sources.
- Utilized Python libraries and web scraping techniques.
- Visualized data in a dashboard to identify patterns and trends using Python.
- Stocks analyzed: Tesla, Amazon, AMD, and GameStop.

Writing and Reading Files

- Explored multithreading concepts in C++ for efficient file handling.

Gym Website

- Designed and developed a Gym Website with a dynamic front end Using HTML, CSS, PHP, and JavaScript.

Covid-19 Stats

- Analyzed Covid-19 data to extract meaningful Statistics and insights using R programming language.

Phonebook Application

- Developed a phonebook application with Incorporated features for adding, searching, and deleting contacts efficiently Using C programming language.

UEFA European Football Championship Report

- Used Power Query to Transform and prepare data for analysis before loading it.
- Created a Report and a Dashboard about The History of The Euro Cup using Power BI.

Microsoft Games Report

- Used Dax to Calculate some Special Measures on the Data.
- Created a Report and a Dashboard about Microsoft Games's Types, Prices and Offers on Pc and Xbox with Power BI.

Montgomery Fleet Equipment Inventory

- Tasked with importing some data from another department which relates to inventory information about their fleet of vehicles in Excel.
- Transformed and Cleaned up the Data before starting to run any kind of analysis on it.
- Tasked with sorting and analyzing fleet inventory data and Used pivot tables to analyze the data in preparation for the results to be visualized in a dashboard and added to a data findings report later.
- Created some Visualizations and added them to a Dashboard to understand the data such as Line Chart, Column Chart and Bar Chart.

Car Dealerships

- Created some visualizations and added them to a Dashboard to understand the sales and service departments using IBM Cognos Analytics and Google Looker Studio.

CERTIFICATES & COURSES

- Finished IBM Professional Data Science Certificate.
- Finished IBM Professional Data Analyst Certificate.
- Finished IBM Applied Data Science Specialization.
- Finished IBM Introduction to Data Science Specialization.
- Finished Microsoft Power BI Data Analyst Professional Certificate.
- Finished Google Data Analytics Professional Certificate.
- Achieved the EGYPT FWD Data Analysis Nanodegree.

SKILLS

- **SOFTWARE AND PROGRAMMING**
 - **Programming:** C, C++, C#, JAVA, Python, Data Structures and Algorithms, OOP, HTML, CSS, JavaScript, R, PHP, SQL.
 - **Tech:** Data Science, Data Analysis, Databases, Artificial intelligence, Machine Learning and deep learning algorithms.
 - **Tools:** Excel, Power BI, Power Query, Dax, JupyterLab, R Studio, IBM Cognos Analytics, Google looker Studio, Watson Studio.
 - **Version Control:** Git & GitHub.
 - **Libraries:** Pandas, NumPy, Beautiful Soup, SciPy, Matplotlib, Seaborn, Folium, Sklearn.
- **INTERPERSONAL SKILLS**
 - Soft: Communication, Collaboration, Teamwork, Critical Thinking, Problem Solving, Time Management.
- **LANGUAGE SKILLS**
 - Fluent in spoken and written Arabic and English.
- **COMPUTER SKILLS**
 - Microsoft Office.