

# Abdel Halim Mansour

Data Analyst / Data Scientist

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## Summary

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- Results-driven Junior Data Analyst / Data Scientist with a strong foundation in data analysis and a passion for deriving valuable insights from complex datasets. Skilled in data manipulation, visualization, and storytelling. Committed to delivering actionable recommendations to drive business growth and optimize decision-making processes. Seeking an opportunity to contribute to a dynamic data science company.

## Education

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**Bachelor of Engineering** Pharos Alexandria University 10/2017 - 7/2022

Major in Computer Engineering

- Achieved a Final Grade of Excellent with Honor
- Received an Excellent Grade for the Graduation Project

**Data Analysis Nanodegree** Udacity FWD program 1/2023 - 3/2023

- Mastered data manipulation, preparation, and visualization techniques
- Project Developed skills in data exploration and storytelling with data.

DataCamp 3/2023 - 5/2023

**Data Analysis Track**

- Experience with popular Python libraries such as pandas, NumPy, and Seaborn
- Importing, cleaning, and preprocessing data using Python
- Understanding of statistical concepts and hypothesis testing
- Exploratory data analysis to uncover patterns and trends.

**Data Analyst in Power BI** DataCamp 5/2023 - 6/2023

- Proficient in using Power BI for data analysis and visualization.
- importing, cleaning, and transforming data in Power BI
- Data modeling and creating relationships between datasets.
- Implementing advanced calculations and expressions using DAX
- Utilizing Power Query for data preparation and transformation

## Professional Experience

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**Egypt Experts (Internship)** 7/2020 - 9/2020

- Developed a solid understanding of the SDLC, including requirements gathering, design, development, testing, and deployment.
- Successfully managed and maintained an SQL database, ensuring efficient data storage and retrieval.

## Projects

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- **Face Recognition Security System**
  - Set to develop a model for face detection using convolutional neural network algorithms and deep learning in python.
  - The system is unlocked if the person is in our database.
  - Managed to reach 92% accuracy against 75% testing data.
- **Analyze A/B Test**
  - Conducted in-depth analysis of an A/B test for an e-commerce website.
  - Leveraged data insights to provide recommendations for website optimization.
- **Medical Appointments Dataset**
  - Utilized Python code for data wrangling, cleaning, and exploratory analysis.
  - Aimed to improve appointment attendance rates and optimize medical resources.
- **SQL Data Cleaning: Nashville Housing**
  - Provided SQL queries for cleaning and transforming data in the Nashville Housing table.
  - Tasks include standardizing date format, populating missing addresses, modifying values, removing duplicates, and deleting unused columns.
- **Covid-19 Data Exploration (SQL)**
  - Extracted insights such as percentage of deaths among cases in Egypt and countries with the highest infection rate.
  - Utilized the "COVID-19 dataset" and provided code for data exploration.
- **Data Professional Survey Breakdown Dashboard (Power BI)**
  - Created a Power BI dashboard project to analyze survey data from 600 data professionals.
  - Collected responses on country of origin, average salary by job title, preferred programming language, breaking into data, and satisfaction with salary/work-life balance.
  - Extracted insights and presented findings using Power BI visualizations.
- **Amazon Web Scraper**
  - This project involves web scraping product information from Amazon, logging it to a CSV file, and sending email notifications if the price drops below a certain threshold.

## Skills

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|-----------------|-----------|
| • Python.       | • SQL     |
| • Power BI      | • Tableau |
| • Excel         | • Excel   |
| • Java / PHP    | • C, C++  |
| • Agile (Scrum) | • OOP     |
| • ETL           | • SSIS    |
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- **Languages:** English (proficient), Arabic (native)