

# Mahmoud Ashraf Mohamed

## Data Engineer

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## Summary

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Fresh Data Engineer and Experienced Data Analyst with a strong background in Software Developing (Mobile and Web) and Data Engineering with hands-on experience in Managing Databases, Data Warehouses, working with Big Data, Machine and Deep Learning Algorithms (Projects Exist in Github) . I thrive on tackling new challenges and diving deep into complex projects.

## Education

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**Faculty of Computer and Data Science, Alexandria University**  
Bachelor of Computing and Data Science.

Sept 2020 – June 2024

## Experience

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**El Waha Green Feed Trading Company**  
**Data Analyst**

July 2022– Present

- Performing initial data exploration to understand the structure, patterns, and relationships within the dataset.
- Creating visualizations (e.g., histograms, scatter plots, heatmaps) to identify trends and outliers.
- Interpreting analysis results to identify actionable insights and business opportunities.
- Collaborating with cross-functional teams to translate data-driven insights into strategic decisions and initiatives.

### Data Entry

- Entering data into the database software and checking to ensure the accuracy of the data that has been added.
- Perform all data entry-related tasks including sorting, proofing, updating, mailing and storing.

### App Soft Intern

July 2023 – Sept 2023

- Took meeting notes and compiled paperwork to support department.
- Generated reports detailing findings and recommendations.

## Skills

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**Programming Languages:** *Python, Java, Dart, JavaScript*

**ETL Tools:** *SQL Server Integration Services (SSIS), SQL Server Analysis Services(SSAS), Informatica power center*

**Web Scrapping:** *Using BeautifulSoup*

**Linux**(RedHat)

**Big Data:** *Spark*

**Git**

**NoSQL Database**(MongoDB)

**Data Modeling**

**Database**

**Kafka**

**Data Warehousing and Data Lake**

**AirFlow**

**Excel**

**Reporting:** *SQL Server Reporting Services(SSRS), Power BI*

**Packages:** *Scikit-Learn, NumPy, Pandas, NLTK, Matplotlib, Seaborn, Jupyter Notebook*

**Cloud Platform:** *Amazon Web Service (EC2, S3, Lambda, VPC, SNS, Redshift, Rule Engine)*

**Machine Learning:** *Statistical Analysis, Linear/Logistic Regression, Clustering, Classification*

**Deep Learning:** *Neural Network, NLP*