

# Mahmoud Mackawy

## Lead Data Analyst

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I am a lead data analyst with over 10 years of experience in data analysis, visualization, machine learning, and data warehouse. I have a proven track record of success in leading and managing data analytics teams, developing and implementing data-driven solutions, and communicating insights to stakeholders.

### WORK EXPERIENCE

#### Lead Data Analyst

Feb 2017– Present

#### Senior Data Analyst

Nov 2015– Jan 2017

2P - Perfect Presentation, Riyadh, Saudi Arabia

Launched Data Analytics Unit at the ministry of human resources and social development with lead Director and recruited a team of junior analysts; established a development framework that improved the quality of deliverables.

- Designed and implemented an alert system that would keep the minister of HRSD and deputies up-to-date with the latest changes in various KPIs
- Built Qlik, Tableau & Power BI dashboards to visualize core business KPIs, resulted in the success of strategic initiatives such as paperless practice
- Developed a dashboard for the Ministry of Health to monitor call center performance during the COVID-19 pandemic, leading to an improvement in overall performance and an increase in customer satisfaction
- Engineered ETL processes to acquire, load and store data into an enterprise data warehouse
- Created strategic dashboards that were presented to the Economical and Development Affairs Council

#### Data Analyst

Jan 2013 – Nov 2015

ESH - eSolutions House (Jathwa) , Riyadh, Saudi Arabia

Engaged in the establishment of the Business Intelligence division and cultivated a strategic partnership with Qlik

- Conducted multiple proof-of-concept initiatives for a diverse clientele spanning various sectors, including telecommunications, healthcare, and retail
- Designed and maintained data models, data marts, queries, and reports
- Developed performance metrics derived from raw organization data to track improvements in organizational efficiency

### EDUCATION

#### IBM

Feb 2022 – Dec 2022

Data Science Specialization

#### Institute Of Aviation Engineering & Technology | Cairo, Egypt

Sep 2002 – May 2008

Bachelor of Electronics & Communication Engineering

### SKILLS

**Data Visualization:** Qlik, Tableau, Power BI, Matplotlib, Seaborn, Plotly

**Programming Languages:** Python (NumPy, Pandas, Scikit-learn), SQL

**Machine Learning:** Regression, Classification, Clustering

### CERTIFICATIONS

Oracle Database 19c: Data Warehousing Techniques LVC | Oracle | 2022

English +7 Overall | IELETS | 2016

PMP Certification of Course Completion | Simplilearn | 2014