

# ABDUALH EID RAWAQ

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Cairo, Egypt, (+20) 011-4451-6865

## DATA SCIENTIST

MLOPS • Applied Data Scientist • Business Analyst • Performance Analyst • Business Intelligence •

## PROFESSIONAL EXPERIENCE



### Upper Egypt for Food Processing and Land Reclamation

Nov 2022 – Dec 2023

#### Performance Analyst

- Led the preparation of the annual planning budget, achieving a 95% accuracy rate:
  - Collaborated with department heads to gather and analyze historical data, resulting in a highly accurate budget that closely aligned with actual performance.
- Implemented a dynamic variance analysis process, reducing identification time by 30%:
  - Introduced an automated system to analyze and report on budget variances promptly, enabling swift identification of deviations and timely corrective actions.
- Implemented a predictive analytics model for budget forecasting, reducing forecasting errors by 25%.



### UPWORK

Jan 2021 - present

#### Data Scientist and Data Analyst Freelancer

- Deployed a recommendation engine to production to conditionally recommend other menu items based on past order history, increasing average order size by 5%.
- Spearheaded the implementation of business intelligence tools, enabling managers to make data driven decisions based on actionable insights tailored to specific business requirements, resulting in a 26% improvement in overall operational efficiency.



### SoftwareOne

Feb 2020 - Dec 2021

#### Data Analyst, Remotely

- develop and maintain key performance indicators, ensure data quality, and contribute to the continuous improvement of commercial, technology, and digital transformation strategies.
- Conduct comprehensive data analysis, leveraging tools like Power BI, to derive actionable insights for strategic decision-making in software and cloud technology solutions.

## EDUCATION



### Bachelor's Degree in Computer Science, Beni Suef University, Egypt

Sep 2019 - Jul 2022

- Excellent Degree: 98% in Graduation Project (Construction Works APP)



### Professional Diploma (CDSP), Data Science, EPSILON AI Institute

Mar 2021 - Dec 2021

- Winner of award, 2nd Best Graduation Project.
- **Credential ID:** 100613-21-EG

## INTERSHIP EXPERIENCE



### Data Science Intern, EPSILON AI Institute, Hybrid

Dec 2021 - Mar 2022

- Conducted business and functional analysis to develop and integrate financial applications.
- Conducted data analysis and modeling to optimize existing algorithms.
- Produced business reports with advanced SQL queries.



### Data Scientist Intern, The Sparks Foundation, Remote

Sep 2021 - Nov 2021

- Analyze Huge data, both structured and unstructured, Applied solutions and strategies to business problems.
- Defined industry trends and translated them into optimal solutions (Python)
- Predict Sales for Walmart stores considering the impact of promotional markdown events.

**Achievements:** successfully completing a challenging project, receiving positive feedback from supervisors

**Key Learnings:** new technical skills, industry knowledge, problem-solving approaches, professional growth.

## SKILLS

### Soft Skills:

Critical Thinking, Problem Solving, Communication, Collaboration, Interpersonal, Adaptability, Organizational, Analytical, Leadership, Time Management.

### Hard Skills:

Data Analysis, Machine Learning, Statistical Modeling, Data Visualization, Data Mining, Data Warehousing, Big Data, Database Management, Data Cleaning, Time Series Analysis.

### Programing Languages:

Python, DAX, Java, R, C, and Scala



## TECHNICAL SKILLS

### Data Analysis Tools:

Pandas, NumPy, SciPy, Seaborn, Matplotlib, Tableau, Power Bi, SPSS, MS Excel, SAS.

### Machine Learning Tools & Frameworks:

TensorFlow, Spark, SK-Learn, Keras, PyTorch, Caffe2, Azure, AWS, Git, Git bash, Jupyter, Flask, Vertex Ai, Apache.

**A/B Testing:** Google Optimize, Optimizely, VWO, Convert.

**Domain Knowledge:** Telecommunication, E-Commerce, Insurance, Finance, Agriculture, construction, banking.

## PROJECTS

- 🔗 **Agriculture: Classification of agricultural insect pests of tomato crops.** [Link to project](#)
  - Deploying a machine learning model to classify 12 different types of the most common pests.
  - **Outcome:** Achieved an accuracy of 89% and an AUC-ROC score of 0.94% on the test dataset.
- 🔗 **Telecom: Developed a predictive model for customer churn in a telecom company “Orange”.** [Link to project](#)
  - **Objective:** Reduce customer churn by identifying at-risk customers.
  - **Tools:** Python (Scikit-learn, pandas), Jupyter Notebooks, SQL, Streamlit, Git, Git bash.
  - **Outcome:** Model Achieved a 11% reduction in churn rates and an accuracy of 95%
- 🔗 **Human resources: Developed a predictive model for Software Engineer Salary prediction.** [Link to project](#)
  - **Objective:** Utilized a dataset survey from stack overflow 2021, containing Engineer demographic information.
  - **Tools:** Python (Scikit-learn), TensorFlow, SQL, KNNR, XGBoost, RF, SVR, DT, Microsoft Azure.
  - **Outcome:** Achieved an accuracy of 94% and an AUC-ROC score of 0.92% on the test dataset.
- 🔗 **Marketing: Conducted customer segmentation analysis for an e-commerce company.** [Link to project](#)
  - **Objective:** Improve targeted marketing strategies based on customer behavior.
  - **Tools:** Python (Scikit-learn, pandas), Jupyter Notebooks, SQL, LR, KNNR, RF, XGBRegressor, Git, Git bash.
  - **Outcome:** Increased conversion rates by 15% through personalized marketing campaigns.
- 🔗 **Retail: Optimized inventory management for a retail chain-Freelance project.**
  - **Objective:** Minimize stockouts and excess inventory, improving profit margins.
  - **Tools:** Python (Scikit-learn, pandas), Jupyter Notebooks, SQL, Git, Git Bash.
  - **Outcome:** Reduced stockouts by 21% and excess inventory by 19%.
- 🔗 **Finance: Investment Recommendation System-Freelance project.**
  - **Objective:** Provide tailored investment advice based on individual risk profiles and financial goals.
  - **Tools:** Implemented collaborative filtering algorithms and sentiment analysis on financial news.
  - **Outcome:** Increased client satisfaction with a 32% improvement in the alignment of investment recommendations with client preferences.

## CERTIFICATIONS:

- Data Analysis with Power BI, **Microsoft**, Feb 2021([link](#))
- Implementing Azure Infrastructure Solutions, **Microsoft**, Sep2021 ([link](#))
- Principal of sustainable software engineer, **Microsoft**, Jan2022 ([link](#))
- Perform Cloud Data Science with Azure Machine Learning, **Microsoft**, Apr2022 ([link](#))
- Explore and analyze data using Python, **Microsoft**, Feb2023 ([link](#))
- ML for Business & Technical Decision Makers, **AWS**, Dec2022 ([link](#))
- Machine Learning for Business Challenges, **AWS**, Feb 2021 (Credential ID [E-E0J39V](#))
- Machine Learning Essentials for Business and Technical Decision Makers, **AWS**, July2022 ([link](#))
- Data Science Capstone: Real World Machine Learning Decisions, **AWS**, Feb2022
- Planning a Machine Learning Project, **AWS**, Nov2023
- Machine Learning plan, **AWS**, Nov 2023
- Deploy Apps Using DevOps, **IBM**, April2021 ([link](#))
- Data Science, **IBM**, Apr2022 ([link](#))
- Monitor Your App Availability DevOps, **IBM**, July2022 ([link](#))
- IBM Watson Studio, **IBM**, Nov2022 ([link](#))
- Communicating Insights, **IBM**, May2022 ([link](#))
- Machine Learning for Data Science Projects, **IBM**, Nov 2023([link](#))
- Advanced SQL, **Kaggle**, Feb2022
- Intermediate Machine Learning, **Kaggle**, Feb2022
- Artificial Intelligence Fundamental, **FutureLearn**, Aug2021 ([link](#))
- Learning Python, **LinkedIn**, Mar2022 ([link](#))
- Data Curation for SAS Data Scientists, **SAS**, Sep2022 ([link](#))
- Machine Learning Operations (MLOPS), **Coursera**, Aug2023 ([link](#))
- Business Model Innovation, **Egypt Innovate**, April2023
- Database Fundamental, **Information Technology Institute (ITI)**, Mar2021

## LANGUAGES:

- **English:** B2
- **Arabic:** Native
- **Frensh:** A1

**References:** Available upon request

