

Abdalla Abdelmoaty, MSc

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Qualification Summary:

Professional data scientist with MSc in analytics and 3 years of experience solving business problems using predictive modelling, data engineering and data mining. Dedicated and collaborative leader capable of working in cross-functional teams with strong organisational and problem-solving abilities. Always looking to develop innovative solutions to persistent and ambiguous challenges.

Experience:

Data Scientist

Nov 2022-present.

Madfu Fintech , Riyadh, Saudi Arabia.

- Developing algorithms that utilises Python and google maps to guide sales for targeting business that will most likely join Madfu's network of providers.
- Working on building credit scoring algorithms to determine which users will likely pay their dues.
- Using open source data of demographics and maps to detriment most suitable areas for guiding marketing teams.
- Building dashboards for KPIs to measure performance of the sales team.
- Working with business analysts, product managers and shareholders on a regular basis to evaluate data needs for business and investment rounds.
- Writing and designing Madfu's Data Acquisition Strategy.

Data Scientist

Jun 2022-Nov 2022.

Xbress Logistic Services, Riyadh, Saudi Arabia.

- Developed algorithm that utilises SQL, Python, and set theory to calculate shipping prices for various carriers internationally.
- Used deep learning in computer vision for classification of the width, height, and length of shipments.
- Automated the shipping process from pickup to tracking.
- Integrated carriers such as Fedex, UPS, and DHL's APIs into the Xbress.com system.
- Evaluated and developed backend assets performance to achieve business goals.

Information Technology Manager

Oct 2020-May 2022.

Ma'k for medical services, Medina, Saudi Arabia

- Coached cross-functional teams to implement digital transformation in finance, medical care and medical record systems.
- Utilised advanced analytical approaches to examine factors affecting growth and profitability across product and service offerings and provided complete analysis and advised solutions to handle complex business problems and issues using data from internal and external sources.
- Improved the overall performance and dependability of the system.
- Integrated Mak's local servers with a full medical care enterprise resource planning system.
- Participated in digital marketing plans with website and analytics integration with ads results.
- Supervised data engineering and machine learning project for high risk patients.

Data Science Consultant (Practicum)

Nov 2019-May 2020.

Liberty Mutual Insurance, Portsmouth, USA

- Participated in a project that is worth \$50 million a year in CPU billing management optimisation.
- Developed outlier detection framework for anomaly discovery in the mainframe server CPU consumption for bill reductions.

- Collaborated with data analysts to develop data pipelines for an exploratory data analysis system that was translated into a powerful interactive dashboard in Power BI to support decision making.
- Applied Python (Numpy, Pandas, Sklearn) to clean, standardise, transform, and run statistical analyses.
- Applied world class clustering with UMAP (Uniform Manifold Approximation and Projection).

Data Science Consultant (Practicum)

Nov 2019-May 2020.

Darling Consulting Group, Newburyport, MA, USA

- Developed and expanded DOG's Deposits 360 product feature, by forecasting non-maturity balances and rates for US banks given a flat federal interest rate as well as short-term changes in that market rate (increases and decreases).
- Used data engineering to clean and combine a variety of data sources, including extensive government data on county demographics, historical bank trends, and mergers and acquisitions.
- Created a deep neural network model to predict the profit-maximising rate for non-maturity accounts using (long-term memory neural networks in Kears).

Education:

Master of Science: Data Science and Analytics

May 2019-May 2020.

University of New Hampshire, Durham, New Hampshire, USA

Bachelor of Science: Economics And Political Science

Feb 2014-Sep 2017.

University of Cincinnati-Future University (FUE) - Cairo, Egypt

Skills:

Management Skills

Communication

Planing

Agile Methodology

Reporting

Software skills

Python

SQL and JMP

R, SAS,Tableau

Hadoop

Areas of Competence

Deep Learning in CV, NLP

Hyperparameter optimisation

Supervised Learning

Unsupervised learning

Certifications:

IBM Data Science Professional Certificate

In progress.

IBM and coursera

Introduction to Data Curation for SAS Data Scientists

Nov 2022-Nov 2022.

SAS® Global Certification Program

McKinsey Forward Program

Feb 2022-Jun 2022.

McKinsey & Company

Deep Reinforcement Learning Nanodegree

May 2020-July 2020.

Udacity