Lama Majed Alrefaei *Data Analyst*

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Profile

Results-driven Data Analyst with expertise in Python, SQL, and data visualization tools like Power BI. Skilled in developing machine learning models, automating workflows, and delivering actionable insights to drive strategic business decisions.

Professional Experience

2023/11 – present	**Data Scientist,** *Bupa Arabia*

- Automating key business processes using Power Automate and AHK, reducing manual operations by 30%.
- Developing interactive Power BI dashboards that provide real-time data insights, improving decision-making efficiency across departments.
- Enhancing performance metrics using predictive modeling and classification algorithms to support strategic decision-making.
- Utilizing advanced analytics to identify key performance metrics, contributing to strategic business decisions.
- Extracting features and key points from raw data to improve predictive model accuracy and business outcomes.
- Analyzing datasets to uncover trends and provide actionable insights that drive data-informed strategies.

2023/07 – 2023/10	**Data Scientist intern,** *Bupa Arabia*

- Designed and implemented machine learning models for the physiotherapy field, improving automation by 80%.
- Utilized dashboards to monitor and optimize model performance.
- Collaborated with cross-functional teams to integrate machine learning solutions into existing systems.

2023/05 – 2023/07	**Data Analyst intern,** *Hackthonat*

- Extracted data for Saudi universities using web scraping techniques.
- Created dashboards to visualize data, providing actionable insights for educational institutions.
- Analyzed reports to identify trends and inform decision-making processes.

Education

2019 – 2023	**Bachelor Data Science 2023,** *Jeddah University*

Courses: Machine Learning, Deep Learning, Blockchain, Database Administration, Big Data, Business Intelligence, Data Mining

Skills

Soft skills

Team work, Leadership, Critical thinking

Technical Skills

- Programming Languages: Python, SQL
- Data Tools: RapidMiner, Hadoop, Hive
- Data Visualization Tools: Power BI, Tableau
- Database Tools: Microsoft SQL Server, Oracle, MySQL, SQL Developer, Apache

Certificates

Getting Started with Power BI Desktop ⍐
- Imported and transformed data with Power BI Desktop.
- Visualized data with Power BI Desktop

Mathematics for Machine Learning and Data Science
- Represented data using vectors and matrices, and applied operations like dot product and eigenvectors.
- Performed gradient descent in neural networks and optimized machine learning functions.
- Conducted Exploratory Data Analysis and applied statistical methods like MLE and MAP.

Python for Data Science, AI & Development ⍐
- Mastered Python programming logic and key libraries (Pandas, Numpy).
- Developed code using Jupyter Notebooks.
- Accessed and web scraped data using APIs and Beautiful Soup.

Programming for Data Science Nanodegree
- Gained hands-on experience in data management and analysis using Excel, SQL, and Python.
- Proficient in executing machine learning projects and translating complex data into insights.

Projects

2023/12	**Mental-illness Screening using Deep Learning Models,** *Graduation Project*

- Collected and cleaned datasets using techniques like Spleeter and Kaldi.
- Developed CNN, RNN, and LSTM models, improving the model accuracy to 84%.
- Achieved the highest accuracy compared to all previous research in this domain, setting a new benchmark for similar projects.