

OSAMA SHABBAR

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SUMMARY

Results-driven Data Analyst specializing in data modeling, analysis, and visualization. Hands-on expertise in Python, SQL, Power BI, SPSS, and Stata, with a proven ability to automate workflows, ensure data quality, and deliver actionable insights for data-driven decision-making. Holds a Master's degree in Finance, with strong proficiency in financial modeling and financial statement analysis.

EXPERIENCE

Reporting & Information Management Officer

Norwegian Refugee Council, Jordan

Jan 2024 – Present

- Automated data integration from multiple sources into SQL databases using Python scripts, improving data processing efficiency by 80%
- Designed and developed data collection tools (KOKO) and trained field teams on proper implementation and database updates
- Maintained urban shelter database with 190,000+ records, conducting regular data quality checks to ensure 99%+ accuracy and consistency
- Developed interactive Power BI dashboards for real-time visualization of spending, payment tracking, and KPI performance
- Conducted comprehensive data analysis to track project indicators, payment processes, and identify trends supporting strategic objectives
- Prepared financial and progress reports for senior management with performance indicators, findings, and data-driven recommendations
- Generated automated documentation (BOQs, completion reports, MOUs) using Python scripts, ensuring consistency and reducing manual effort by 90%

Information Management Technical Assistant

Norwegian Refugee Council, Jordan

June 2022 – Dec 2023

- Supported the maintenance and updating of centralized databases, ensuring accurate integration of field-collected data into the main system.
- Assisted in developing and updating MS Access queries and databases to improve data retrieval, reporting, and consistency.
- Contributed to the design and revision of data collection tools (KOKO), including mail merge techniques to support structured field data capture.
- Performed regular data cleaning and validation checks on the Urban Shelter Database to eliminate errors and duplicates and maintain data quality.
- Supported reporting and documentation processes by organizing data, contracts, and records in coordination with program and finance teams.

Monitoring, Evaluation & Learning Assistant

Jordan River Foundation (JRF), Jordan

August 2021 – June 2022

- Led monitoring activities and tracked project indicators to assess performance, service quality, and outcomes across multiple projects.
- Designed, tested, and deployed data collection tools using Kobo, ensuring usability, accuracy, and alignment with monitoring methodologies.
- Conducted quantitative data collection, cleaning, and validation, maintaining high-quality datasets within the JRF Information Management System.
- Performed regular data quality checks and preliminary analysis using pivot tables and SPSS, maintaining data quality logs and analytical summaries.
- Produced quarterly and annual analytical reports, providing insights, trends, and recommendations to program and MEL teams.
- Conducted field monitoring visits and participatory monitoring activities, collecting beneficiary feedback and translating findings into lessons learned and action plans.

Finance Officer

NEXT Group, Jordan

July 2015 – June 2018

- Managed daily bookkeeping and produced financial reports tracking SME expenses, revenues, and cash flow to support financial planning and decision-making.
- Prepared cash flow statements and supported budget development, monitoring spending and identifying variances against budget targets.
- Analyzed sales performance, inventory levels, and competitor activity to identify trends and recommend actions to improve revenue and operational efficiency.
- Oversaw payroll and inventory reconciliation processes, ensuring data accuracy and resolving discrepancies across financial records and stock systems.
- Worked with suppliers and creditors to analyze variable costs and support cost-reduction initiatives.

PROJECTS

Stock Price Prediction Using ML

[View Project](#)

Developed time-series forecasting models using LSTM and XGBoost to predict stock prices, including data preprocessing, model training, and performance evaluation.

Tools: Python, Pandas, NumPy, Scikit-learn, TensorFlow/Keras, XGBoost, Matplotlib, Yfinance

Portfolio Optimization (Saudi Stock Market)

[View Project](#)

Analyzed and optimized a portfolio of selected Saudi stocks over a five-year period, focusing on risk-return trade-offs and optimal asset allocation.

Tools: Python, Pandas, NumPy, Matplotlib

Automated Data Pipeline

[View Project](#)

Developed an end-to-end ETL pipeline to automate data extraction, cleaning, transformation, and loading from APIs into a structured MySQL database for analytics and reporting.

Tools: Python, Pandas, NumPy, Requests, MySQL & PyMySQL, API

Financial Statement Analysis

[View Project](#)

Developed an automated system to extract, transform, and analyze company financial statements using public APIs, implementing financial ratios and DuPont analysis for performance evaluation.

Tools: Python, Pandas, NumPy, Requests, Excel, Financial APIs

EDUCATION

Master of Science in Finance Sep 2020
Utara University Malaysia, Kedah, Malaysia | GPA: 3.38/4.0

Bachelor of Science in Banking & Finance Feb 2015
Yarmouk University, Irbid, Jordan | GPA: 73/100

TECHNICAL SKILLS

Programming & Scripting:	Python, SQL, R, DAX
Data Visualization:	Power BI, Tableau, Excel
Database Management:	SQL Server, MS Access, DBeaver, Database Design & Optimization
Data Analysis:	SPSS, STATA, EViews
Data Collection:	KOBO Toolbox, Survey Design, Data Validation
Additional:	Data Modeling, Automation, Data Governance