

MARWAN ALI DATA SCIENTIST

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PROFILE

Data scientist with a strong math and finance background and experience in analytics, machine learning, and statistics. Passionate about using statistical analysis on large data sets in order to find new insights that strategically drive higher performance. Currently seeking data scientist opportunities in the tech start-up, e-commerce, healthcare, or the product marketing field.

RECENT WORK EXPERIENCE

Operations/ Tech Support: Colorado Health Exchange Fall 2019-Present

Positively contribute to a production-based environment to support the member services operation department.

Operations: Alliance Data card services Fall 2017-Fall 2017

Comprehensive engagement with customers to provide useful data to Comenity Bank-branded financial services.

Mathematics Instructor: Denver Public Schools Fall 2015-Fall 2017

In collaboration with AmeriCorps, I spent two years as a Math Teacher for group instructions-multi-tiered systems of support.

VP of Finance: UFG- Saudi Arabia Fall 2013-Fall 2015

I started as a Budgeting and Reporting Manager and then promoted to VP Finance.

Financial Analyst: Khartoum Stock Exchange- Sudan Fall 2008-Fall 2013

I started as a research specialist, moved to different departments, and promoted five times.

TECHNICAL SKILLS

Machine Learning: classification, regression, clustering, feature engineering

Statistical Methods: time series, regression models, hypothesis testing and confidence intervals, principal component analysis and dimensionality reduction, stochastic differential equations (SDEs)

Software and Programming Languages: Python (scikit-learn, numpy, scipy, pandas, gensim), R, SQL, Hadoop (Hive, MapReduce), Tableau, Power BI, Microsoft Excel

Selected Coursework: Matrix Theory, Linear Algebra, Probability and Statistics

EDUCATION

Springboard – San Francisco, CA | Spring 2022-Fall 2022

Data Science Bootcamp

Northcentral University – San Diego, CA | Winter 2020-Spring 2022

Master of Science in Data Science

Institute of Management Accountants – Montvale, NJ | 2011-2013

Certified Management Accountant (CMA)

Khartoum University – Sudan | Fall 2006-Fall 2008

Master of Business Administration (MBA)

Khartoum University – Sudan | Spring 2001-Fall 2005

Bachelor of Science in Business Administration

ACADEMIC HONORS AND AWARDS

Silver Level Leadership Prize (Summer 2012): Institute of Management Accountant

Member at the National Society of Leadership and Success (2022): Top graduate membership; only few awarded each year at NCU.