Rihad Variawa

https://2series.github.io/
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SKILLS

PROGRAMMING
Python & iPython Notebook
RStudio
SQL
Solidity
C++
JavaScript (D3.js), HTML & CSS

MACHINE LEARNING
Regression
Support Vector Machines
Naive Bayes
K-Nearest Neighbors
Decision Trees
K-means Clustering & PCA Analysis
Natural Language Processing
Deep Learning

SOFTWARE
MySQL
Spark & Hadoop
Git & Github
Microsoft Azure Machine Learning
Matlab
Weka
Tableau
Excel

EDUCATION

DATA SCIENCE BOOTCAMP
Flatiron School
Aug 2017 | New York, NY, U.S.A

PGDIP ACC.SCI
University of South Africa
Oct 2014

HONOURS, B.ACC.SCI
University of South Africa
Oct 2011

B.ACC.SCI
University of South Africa
Oct 2008

LINKS

Github:// **2series**
LinkedIn:// **rihadvariawa**
Twitter:// **@2series_rv**

PROFESSIONAL EXPERIENCE

ESOURCE ANALYTICS (STARTUP COMPANY) | Data Scientist - Advanced Analytics
Jan. 2017 - Jun. 2019 | Multinational Corporation

- Collaborated with teams identifying opportunities to build data science products in renewable energy, from conducting fieldwork to market research, engineering design & financial evaluation of potential projects
- Used statistics tools to analyze data, **comparing countries leading in solar and wind production**
- Improved data mining processes, resulting in a 5 percentile decrease in time needed to infer insights from customer data used to develop product strategies
- Researched **patterns in renewable energy generation** to derive insights and explore questions using k-means clustering
- Utilized web scraped techniques and data mining to assimilated product retail data as inputs to **retail revenue prediction models**

REAL ESTATE PORTFOLIO WEALTH ADVISORS | Finance Manager
Feb. 2017 - May. 2018 | South Africa

- Drove business development by writing grant proposals to international investors and delivering presentations to pitch to potential funders
  - Financial Commerce Market Analyses
    * Led quantitative analysis to develop value propositions for a multinational seeking to enter markets in several African states
    * Built financial models to assess market potential and expected cash flows for real estate, increasing sales by 3 percentile
    * Authored market-sizing and forecasting section of a commercial report on characteristics, forecasts, and trends in FCM for several African markets
- Managed the planning and development of design and procedures for metrics reports
- Analyzed market risk factors that could adversely affect the assets and implemented processes to mitigate exposure to risks
- Accelerated corporate compliance, operational risks and control processes by monitoring financial obligations with lenders and developing credit facilities

ENERGY | Independent Analyst - Analytics
Dec. 2016 - Jan. 2017 | New York, NY, U.S.A

- Machine learning problem involving feature engineering, visualizations and other techniques to make out certain perceptions from the available data to **predict a building energy score**

SIZWENTSALUBAGOBODO (ADVISORY SERVICES) | Trainee Accountant
Feb. 2014 - Jan. 2017 | South Africa

- Domain knowledge in financial service audits
- Executed statutory audits for clients in Asset Management, Trusts, Property Management Co, Special Purpose Vehicles and Telecoms
- Performed a risk-based approach to external audits of public and private clients in environments providing exposure to risk and compliance