

RIHAD VARIAWA

TECHNICAL SKILLS

Data Analytics

Applied statistics & probability
Machine learning algorithms & processes
Feature engineering & refinement
Advanced analytics of a range of analytic approaches
Decision making ability to turn analytic thinking into production code so they can be embedded in systems that deliver insights or action
Data storage and analysis tools: e.g. SQL, Hadoop, Map Reduce & Spark
Web Scraping/Crawling
Comfortable 'working virtually' with teammates & customers around the world
Demonstrated success as a problem solver, result-oriented and self-starter

Languages

Python; NumPy, Pandas, Sci-Kit Learn, SciPy, Matplotlib
R Programming; readr, tidyr, dplyr, forcats, lubridate, ggplot2, broom, shiny
Solidity
C++
JavaScript (D3.js), HTML & CSS

Software Applications

Jupyter Notebook
RStudio
GitHub and GitKraken
MS Azure Machine Learning
Power BI
MS Office Suite

Regulatory Reporting Frameworks

International Financial Reporting Standards (IFRS)
International Auditing Standards (IAS)
King IV Report on Corporate Governance
Companies Act 71 of 2008

Corporate Finance

Business Strategies
Operational Efficiency
Forecasting/Budgeting
Risk Management

INDEPENDENT PROJECTS

Cryptocurrency Pricing Analysis Using Time Series
"Predicting The Price Of Bitcoin"
Using Python To Analyse 60 Million US Police Stops
"Insights Into Important Issues We Face Today, Racism"
Loan Application Prediction Challenge
"To Predict Whether A Loan Would Be Approved Or Not"
Time Series Analysis Using Python
"Helping Investors Make An Investment In A New Form Of Transportation"

EDUCATION

Postgraduate Diploma Accounting Science (CTA) - 2014
BCompt (Hons) Accounting Science - 2011
BCompt Accounting Science - 2008

LINKS

www.linkedin.com/in/rihad-variawa-7422017b
<https://2series.github.io>
<https://github.com/2series>
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PROFESSIONAL EXPERIENCE

Data Scientist – Esource | Analytics

Jan 2017 – Present

- Publication: "New Sharing Economy with Renewable Energy White Paper"
- Performed analytics related to trends in emerging technologies, forecasted performance & cash flow needs for existing and future insights for Renewable Energy
- Developed predictive analytics for demand, efficiencies, fund investment performance, refinance/swap/currency analysis and buyout/venture/secondary analysis

Financial Manager - Real Estate Portfolio

Feb 2017 – May 2018

- Through M&A created an asset class portfolio of housing and apartment developments
- Delivered timely & accurate quarterly financial and management accounts
- Evaluated risk factors that could adversely affect the assets & implemented procedures to mitigate exposure to risks and disclose risk information to relevant internal & external stakeholders
- Formulated and maintained financial models for decision-making purposes
- Managed & optimize processes for data input and validation as well as modeling, visualization and communicated deliverables
- Tracked & determined financial status by analyzing actual results with forecasts and budgets
- Accelerated corporate compliance, operational risks & control processes by monitoring financial obligations with banks and developing credit facilities
- Devised relevant internal controls to ensure the integrity of operations, financial and accounting practices
- Managed banking relationships and monitored the portfolio's cash flow liquidity
- Conducted impairment tests on CGUs and potential CGUs in accordance with IFRS requirements

Associate Accountant - Audit Firm

Feb 2014 – Jan 2017

- Financial service audits of: *Asset Fund Managers, Trusts, Property Management Co, SPVs & telecommunication* incorporating financial analysis, consolidations & reporting
- Performed a risk based approach to external audits of (*private & public*) clients in environments providing exposure to risk and compliance management & 2 due diligent reports contributed
- Audited, Monitored and reported by understanding key processes, internal controls, risk identification, risk analysis, responding to risks identified, sound governance & assessed adequate information, communication and monitoring of risk management activities by those charged with governance
- Explored existing controls and produce recommendations for improvement policies and processes where necessary