

RIHAD VARIAWA

rihadv021@gmail.com | Location: Johannesburg, South Africa

TECHNICAL SKILLS

DATA ANALYTICS

Applied statistics & probability
Machine learning algorithms & processes
Feature engineering & refinement
Investigation of public data sources
Systems for large-scale, automated data collection & analysis
Application usage analysis
Predictive analytics
Tools for structured data storage & retrieval
Data storage and analysis tools: e.g. SQL, Hadoop, Map Reduce & Spark
Meaningful experience in analysing English language text based data sets
Web Scraping
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: dplyr, ggplot2, lubridate, forcats
Solidity
C++
JavaScript (D3.js), HTML & CSS

SOFTWARE

Jupyter Notebook
GitHub and GitKraken
Caseware Audit
Power BI
MS Office Suite

STATUTORY REGULATIONS

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

FINANCE

Corporate Finance
Business Strategies
Operational Efficiency
Scenario Analysis
Forecasting
Risk Management

INDEPENDENT PROJECTS

Cryptocurrency Pricing Analysis Using Python

"Crypto Data Analysis" (as of January 2014)

Using Python To Analyse 60 Million US Police Stops

"Insights into important issues we face today, Racism"

Loan Application Prediction Challenge

"To Establish 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>

PROFESSIONAL EXPERIENCE

DATA SCIENTIST, eSource

Jan 2017 – Present

- Author of a renewable energy white paper
- Performed analysis related to trends in emerging technologies, forecasted performance & cash flow needs for existing and future Investments for renewable energy
- Developed models to analyse 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 & optimise processes for data intake and validation as well as modeling, visualisation and communicated deliverables
- Built hypothetical, multi-year financial models
- 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
- Externally audited (*private & public*) clients in environments providing exposure to risk and compliance management & 2 due diligence reports contributed during this period
- Examined full lifecycle activities including requirement analysis, internal control design & reporting capabilities
- 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 data and produce recommendations for improvement policies and processes where necessary