

# RIHAD VARIAWA

## TECHNICAL SKILLS

### Data Analytic

Probability & Statistics (t-tests, ANOVA), variable reduction (PCA), Segmentation/clustering techniques, Predictive modeling: e.g. logistic regression, linear regression, Time series analysis: e.g. ARIMA  
Advanced Machine learning algorithms & processes  
Wealth of experience with applying advanced analytics to a variety of business situations  
Decision making ability to turn analytic thinking into production code so it can be embedded in systems that deliver insights or action  
Data storage and analysis tools: e.g. SQL, Hadoop, Map Reduce & Spark  
Strong understanding of financial metrics & ability to leverage decisions using financials  
Confortable 'working virtually' with teammates & customers around the world  
Demonstrated success as a problem solver, result-oriented & self-starter

### Programming Languages

Python; Scikit-Learn, TensorFlow, Keras  
R  
SQL  
Solidity  
C++  
JavaScript (D3.js), HTML & CSS

### Software Applications

iPython Notebook  
RStudio  
GitHub & GitKraken  
Microsoft Azure  
Matlab  
Power BI  
MS Office suite

### Regulatory Reporting Frameworks

International Financial Reporting Standards (IFRS)  
International Auditing Standards (IAS)  
King IV Report on Corporate Governance

### Corporate Finance

Business Strategies  
Operational Efficiency  
Forecasting/Budgeting

## OPEN-SOURCE PROJECTS

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://www.linkedin.com/in/rihad-variawa-7422017b)  
<https://2series.github.io>  
<https://github.com/2series>  
[rihadv021@gmail.com](mailto:rihadv021@gmail.com)

## PROFESSIONAL EXPERIENCE

### Data Scientist – eSource Analytics

Jan 2017 – Present

- Domain knowledge in financial services such as quantitative finance and risk modeling, discovering the information hidden in vast amounts of data, to enable smarter decisions that will deliver even better products and features
- Created hypotheses about ways to change the renewable energy industry through new uses of data
- Researched and implemented methodologies to measure the impact of renewable energy on the environment
- Aided a healthcare provider improve their clinical trial practices by identifying congestion in diagnostic testing as a key indicator of admissions breaches
- Designed and built a data-driven application for a state of the art Centre of excellence in urban innovation by collecting real-time data from environmental sensors across India and deploying proprietary analytics to find unexpected patterns in air pollution

### Finance Manager - Real Estate Portfolio

Feb 2017 – May 2018

- Through M&A created an asset class portfolio of housing and apartment developments
- Created a machine learning pipeline for real estate investments & built a model that learns from data and was able to predict the median housing prices in any district achieving 89% accuracy
- 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
- 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

### 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