

# Victor Mandere Mose

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## SUMMARY

Analytics specialist trained in Management Consulting. 4 years experience with 20+ projects completed of varying degrees of complexity and scope in data-modelling, data-visualisation and machine-learning. Knowledgeable in operational frameworks related to data such as Python, SQL and BigQuery. Certified Mobile Developer and Business Intelligence enthusiast.

## SKILLS

**Programming:** Python, SQL, Javascript, CSS3, HTML5, GraphQL

**Software:** PostgreSQL, MySQL, Audit Command Language (ACL), Flask, React.js, BigQuery, Git, Excel

**Statistical Packages:** SPSS, R

**Dashboards/Visuals:** Microsoft PowerBI, Looker Studio, Tableau, D3.js, Python (Matplotlib, Seaborn),

**AI/ML:** Linear & Logistic regression, Decision Trees & Random Forest, SVM, PCA, NLP, Recommender Systems, K-Means Clustering and K-Nearest Neighbour.

**Languages:** English (Fluent), Kiswahili (Native), French (Conversational)

## WORK EXPERIENCE

### FREELANCE

**Remote/Nomad**

#### *Independent Consultant - Data Specialist*

**Nov 2022- Present**

- Generated data cleaning and preprocessing scripts using Pandas and NumPy, reducing data cleaning time by 70%.
- Built and maintained 150+ interactive data visualisations and business intelligence dashboards using Tableau, Looker, D3.js, Plotly and PowerBI, providing real-time insights to stakeholders and executives.
- Designed and optimised SQL queries for complex data-analysis tasks, reducing query execution time by 50%.
- Developed and sustained automated data-processing pipelines using Bash shell scripts, reducing processing time by 50%.
- Constructed and implemented custom machine-learning algorithms using Python and TensorFlow, achieving up to 90% accuracy on classification tasks using cross-validation, grid search, and other techniques to optimise model performance.
- Conducted A/B tests using Google Optimize and Google Analytics to optimise website landing pages achieving an average statistical significance of over 85%, resulting in 20% increase in conversion rates.
- Engineered RESTful APIs using Flask that facilitated seamless integration with other systems and applications; improved efficiency and productivity by 25%
- Architected scalable application prototypes using AWS Elastic Beanstalk and EC2, ensuring high availability and fault tolerance with an average iteration time of 1.5 weeks.

### GRANDE AFRIQUE CONSULTING

**Nairobi, Kenya**

#### *Data Analytics Consultant*

**Nov 2020- Nov 2022**

- Applied statistical and predictive modelling techniques to build, maintain, and improve on multiple real-time decision systems with clients reporting a rise in efficiency of up to 40% in day-to-day operations.
- Queried with PostgreSQL, BigQuery, ACL and Arbutus to automate the data flow on routine tasks with each script having over 50 lines on average.
- Coded 100+ programs in Python using established repositories i.e. Pandas, NumPy, scikit-learn
- Visualised over 40 datasets with Python, Microsoft PowerBI and Tableau.
- Directed end-to-end delivery of Analytics Support projects for eight quarterly, ensuring timely completion, accuracy and high-quality delivery; retained 90%+ client satisfaction rate
- Created complete and effective Project Proposal documents for prospecting stakeholders using the industry standard 6-step process.

**KENYA FILM COMMISSION**  
**Financing and Accounting Intern**

**Nairobi, Kenya**  
**May 2019 - Aug 2019**

- Consolidated and migrated 50K+ financial records from disparate systems into Microsoft Navision ERP system; reduced month-end closing time by 40% and strengthened accuracy of financial reports by 50%
- Posted financial transactions into the financial and vote book systems; consolidated over 30 different financial accounts.
- Prepared 20 payment sources documents (vouchers) daily on average while guaranteeing financial credentials were printed in the correct format.
- Contributed to the department's financial forecasting and risk-analysis; findings that brought the commission a boosted budget of 40% from the Ministry of ICT.

**EDUCATION**

**CATHOLIC UNIVERSITY OF EAST AFRICA**  
**Bachelor of Commerce**  
Second Class Honours (Lower)

**Nairobi, Kenya**  
**Aug 2016 - Aug 2021**

**STRATHMORE SCHOOL**  
**Kenya Certificate of Secondary Education (KCSE)**  
Grade: B+

**Nairobi, Kenya**  
**Jan 2012 - Nov 2015**

**CERTIFICATES**

**Certified Mobile Developer**  
Strathmore University

**Mar 2016 - Jun 2016**

**DELFI A2 Certificate**  
Alliance Françaises

**Jan 2014 - Feb 2014**

**VOLUNTEER EXPERIENCE**

**Nyumbani Children's Home**

**Apr 2013 - Aug 2013**

- Streamlined office administration tasks by creating and implementing a digital filing system and automating manual data-entry tasks; reduced administrative errors by 60% and saved the team 30 hours per week
- Managed daily operations over a 7-week period, including meal planning and preparation, inventory management, and cleaning; ensured that all tasks were completed on time and to a high standard