

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 analytics-engineering, 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, Bash

Tools: PostgreSQL, MySQL, Flask, React.js, Audit Command Language (ACL), Excel

Statistical Packages: SPSS, R

Dashboards/Visuals: Looker Studio, Microsoft PowerBI, Tableau, D3.js, Matplotlib, Seaborn

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

GCP: BigQuery, App Engine (GAE), Compute Engine (GCE)

Version Control: Proficient in Git & Airflow for efficient code collaboration and management.

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

WORK EXPERIENCE

DAVIS & SHIRTLIFF

Nairobi, Kenya

Specialist, Analytics & Data Science

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.
- Utilized SQL and Python to manipulate complex datasets, resulting in up to 50% reduction in data processing time and ensuring accurate information on project performance, financial performance, human resource performance, and audit and evaluation performance.
- 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.
- Architected scalable application prototypes using Google App Engine (GAE) and GCE, 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.
- Led end-to-end delivery of Analytics Support projects for eight quarters, achieving an average client satisfaction rate of over 90%.
- 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

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
DELFI A2 Certificate
Alliance Françaises

Mar 2016 - Jun 2016

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