Victor Mandere Mose

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SUMMARY

Analytics specialist trained in Management Consulting. 5 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
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**
Data Specialist - Monitoring & Evaluation   **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 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.
- 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   **Nairobi, Kenya**
Financing and Accounting Intern   **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   **Nairobi, Kenya**
Bachelor of Commerce   **Aug 2016 - Aug 2021**
Second Class Honours (Lower)

STRATHMORE SCHOOL   **Nairobi, Kenya**
Kenya Certificate of Secondary Education (KCSE)   **Jan 2012 - Nov 2015**
Grade: B+

CERTIFICATES

Certified Mobile Developer   **Mar 2016 - Jun 2016**
Strathmore University
DELF A2 Certificate   **Jan 2014 - Feb 2014**
Alliance Françaises

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