
IVY ATIENG

Data Analyst

[LinkedIn](#)

[Github](#)

[Website](#)

CONTACTS

☎ +254 792621550

✉ atiengivylisha@gmail.com

📍 Nairobi, Kenya

PROFILE SUMMARY

Data analyst with a robust background in data analysis, machine learning, and programming, now pivoting to online writing. Experienced in transforming complex data into compelling narratives and actionable insights. Proficient in SQL, Python, and data modeling, with a passion for making technical concepts accessible to a broader audience. Eager to leverage analytical skills and technical expertise to create engaging content that informs and inspires, while exploring innovative data solutions through writing.

SKILLS

- Programming Languages:** Python, SQL,
- Feature Engineering and Exploratory Data Analysis:** Feature Extraction, Feature Selection, Dimensionality Reduction, Data Augmentation, Feature Scaling, Encoding Techniques, Data Profiling, Pattern Discovery, Statistical Summaries, Advanced Statistical Visualization
- Machine Learning Frameworks:** scikit-learn, TensorFlow, Keras
- Data Visualization:** Matplotlib, Seaborn, Tableau, Power BI, Plotly, Excel
- Big Data and Distributed Computing:** Hadoop, Spark, PySpark, Apache Hive, Dask
- Data Engineering and ETL:** Pandas, Polars, NumPy, Apache Airflow, Prefect
- MLOps and Model Deployment:** Kubeflow, MLFlow, Azure ML, TFX (TensorFlow Extended), Flask, FastAPI, Streamlit, TensorFlow Serving, TorchServe, AWS Lambda, Cloud Functions
- DevOps and Container Orchestration:** Docker, Kubernetes, Jenkins, Terraform, Ansible, Helm, Prometheus, Grafana, Kubernetes advanced configuration, Helm chart authoring, Kubernetes Operators, Service Mesh (Istio)
- Databases:** HBase, Cassandra, MongoDB, MySQL, PostgreSQL, Firebase, Redis, Elasticsearch
- Version Control:** Git, GitHub, GitLab, Bitbucket
- Statistical Techniques:** Regression, Classification, Clustering, Time Series Analysis, A/B Testing, Bayesian Inference, Hypothesis Testing
- Natural Language Processing:** NLTK, SpaCy, Hugging Face Transformers, Gensim, BERT, GPT-based models
- Recommendation Systems:** Matrix Factorization, Collaborative Filtering, Content-Based Filtering, Reinforcement Learning for Recommendations
- Research and Experimental Design:** Experimental Setup, Statistical Testing, Model Evaluation, Cross-validation
- Optimization Techniques:** Hyperparameter tuning, Genetic Algorithms, Grid Search, Bayesian Optimization, Pruning for neural networks

PROJECTS I HAVE WORKED ON

- Fraud detection machine Learning project - Project aims to identify fraudulent activities and irregularities within contractual procurement documents
 - Customer Churn prediction - predicting customer churn with machine learning models. Includes data preparation, model training scripts, and performance evaluation
 - 2024 Real Time sentiment Analysis - Developed a comprehensive sentiment analysis model to accurately capture and interpret public sentiment about the Paris 2024 Olympics from diverse social media data.
 - Sentiment Flow. SentimentFlow leverages cutting-edge NLP techniques to analyze sentiment in textual data, providing valuable insights for decision-making.
 - King County Housing Pricing Model
-

EDUCATION

Moringa 2023 - Data Aalysis
Moringa 2024 - Data Science

LANGUAGES

- English: Fluent
- Swahili: Fluent

REFEREES

Joan Muoki
0707272979
joanmuoki22@gmail.com

Dennis Maina
0725856335
speak2denmaina@gmail.com