



# Joshua Kabwanga

## Machine learning Engineer

### Contact

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### Education

- Google data analytics  
Certification 2023
- IBM Machine Learning  
Certification 2024

### Skill

- Data science
- Machine Learning
- Neural Network
- Python
- MySQL
- Data analytics
- Data Visualisation

### Portfolio

- in/joshua-k-data123321
- github.com/JoshuaKab

### Professional Summary

Highly skilled professional with extensive experience in applying Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), and Data analyst methods across diverse business functions. Proficient in model optimization, evaluation, and selection techniques, with strong Python coding capabilities. Adept at utilizing advanced statistics, machine learning libraries, and platforms to drive data-driven decision-making and innovation.

### Skills

- AI/ML/DL** methods and algorithm application across business functions.
- Model optimization, evaluation, and selection techniques.
- Strong **Python** coding skills.
- Proficiency in machine learning libraries (**scikit-learn, TensorFlow, Keras, XGBoost**).
- Advanced **statistical** knowledge and data analysis tools (**numpy, pandas, Matplotlib**).
- SQL** expertise for data extraction, transformation, and analysis (complex **joins, CTEs**, aggregations, analytical functions).
- Clear communication of technical concepts to non-technical audiences.
- Google Cloud Bigquery, vertex ai and Amazon web Services, SageMaker.
- Data Visualization Tools:** Tableau, Power BI, Matplotlib, Seaborn, Looker
- Data Analysis Skills:** Data cleaning, exploratory data analysis, statistical analysis, predictive modelling

### Work experience

#### Energy Innovation Capital | Remote

Sep 2024 - Oct 2024

VC Industry Research & Pitch Deck Analysis

- Conducted comprehensive market analysis to identify emerging trends, evaluate competitive landscapes, and uncover key opportunities for growth in the energy sector.
- Conducted due diligence on a startup to prepare an investment summary to highlight the viability and growth potential of potential investments. Prepared a market analysis presentation for the identified deal to drive investment decisions.

#### COXOD | Remote

Data Science Projects intern

May 2024 - Aug2024

- Worked with senior data scientist to create a predictable python machine learning model
- Worked on projects involving larger data sets and multi variate
- Explored data to uncover hidden patterns and trends, providing valuable insight for business decisions.
- Developed predictive model to identify fake news and segmentation by successfully implemented into the productive environment

#### MeriSkill | Remote

Data Analyst and Project Management Intern

Oct 2023 - Feb2024

- Collaborate with senior data analysts to analyze and interpret large dataset
- Develop dashboards and reports using Tableau
- Conduct quality assurance checks on data to ensure accuracy and completeness
- Create documentation and standard operating procedures for data analysis processes
- Manage assigned projects with a 100% completion rate
- Coordinate project submissions to stakeholders and maintain project scrum on GitHub
- Establish project repositories for streamlined asset management
- Contribute to a 19% increase in project success rate

### Project

#### Image Classification:

Built a deep learning model to classify images with high accuracy, demonstrating strong understanding of neural networks and image preprocessing.

#### Fraud Detection:

Developed a machine learning model to identify fraudulent transactions, enhancing operational security and reducing financial risk.

#### Stock Market Prediction:

Created a time series with Long Short-Term Memory (LSTM) model to predict stock market prices based on various features, enabling data-driven pricing strategies.

### Certification

- |                                      |             |
|--------------------------------------|-------------|
| Google Data Analytics Professional   | Certificate |
| Intermediate SQL for data scientists | Certificate |
| IBM Machine Learning Professional    | Certificate |