Clinton Nyaore Nyandigita

Machine Learning Engineer

I am a machine learning engineer skilled in designing, developing, and maintaining machine learning systems for optimal performance. My expertise includes Python, TensorFlow, and PyTorch, and I prioritize effective communication and empathy when working with stakeholders to enhance machine-learning solutions.

Contact

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Linkedin
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Github
https://github.com/Clinton-Nyaore

Zindi
https://zindi.africa/users/clinton_nyaore

Education

2023 - In Progress
HCIA AI, HCIA Big Data & HCIA Cloud
Huawei

2019-2023
BSc Computer Science
Laikipia University, Kenya

2021-2022
Machine Learning Scientist with Python
Datacamp

2022
AI Programming in PyTorch
Udacity

2021
Data Scientist in Python
Datacamp

2020-2021
Introduction to Machine Learning
Udacity

Experience

2022 - Present

Zindi, Africa

Zindi Data Scientist - Part-time

I am a passionate data scientist with a proven track record of actively participating in Zindi Africa, a prominent platform for data science competitions. My experience on Zindi has honed my skills in tackling real-world data challenges and finding innovative solutions.

2021 - 2023

Google Developers Students Club, Laikipia University, Kenya

Lead Machine Learning Engineer - Part-time

I help interested students understand the rapidly growing field of Machine Learning. I also offer support in projects that require machine learning from data collection to model creation and deployment to production.

2022 - 2023

Vunatec, Makueni, Kenya

Computer Vision Engineer - Contract

I developed and implemented computer vision algorithms and systems, training machine learning models, processing visual data, and creating software for applications. My expertise includes deep learning frameworks like TensorFlow and PyTorch, OpenCV, and GPU hardware. I focused on reducing post-harvest costs for mango farmers through computer vision technology.

2023

CodeClause, India

Artificial Intelligence Intern -Remote

As an AI intern, I had the opportunity to work with a team of experienced AI professionals and gained hands-on experience in the field of AI. I also had the opportunity to work on cutting-edge research projects through working collaboratively as part of a team. I was also learnt new technologies and tools, and was able to adapt quickly to changing project requirements.

Expertise & Skills

- Computer Vision
- Customer Service
- Machine Learning
- Artificial Intelligence
- Python Programming
- HTML5
- CSS
- Desktop Applications
- Git & Github
- Scikit-Learn
- Flask
- Heroku
- AWS
- MS Office
- Deep Learning
- Computer systems repair & maintenance

Hobbies

- Traveling and exploring new places
- Watching documentaries
- Reading the bible
- Reading technical books
- Gaming, both online and offline
- Cooking, baking, or experimenting with new recipes
- Watching movies
- Watching football games
- Playing pool table
- Physical exercising

Language

English

Kiswahili

Projects

Laikipia University, Kenya

Offline Speech and Audio to Text Desktop Application

I led a collaborative project that resulted in a Pyqt5-based desktop application utilizing the Vosk API for real-time offline speech and audio transcription to text. The application empowers users to transcribe audio from diverse sources with options to save or copy the text. You can find the project on GitHub at this link: [TyLAB GitHub Project] (https://github.com/Clinton-Nyaore/TyLAB).

Vunatec, Makueni, Kenya

Mangoes Classification and Grading using Computer Vision

In a team, we automated mango classification and grading to cut post-harvest losses for farmers. Using machine learning and computer vision, we built an Android app for real-time quality assessment and a conveyor belt system for automated grading. This efficient tool enhances farming operations, reducing losses and boosting profitability.

Laikipia University, Kenya

PyTorch Trainer Package

I am the creator of the 'PyTorch Trainer Package,' a project I developed to facilitate efficient and streamlined deep learning model training using PyTorch. This package is designed to simplify and enhance the training process, offering a valuable resource for researchers and machine learning enthusiasts. You can find the project on GitHub at this link: [PyTorch Trainer Package on GitHub](https://github.com/Clinton-Nyaore/MyPytorchTrainerPackage).

Power Learn Project, Nairobi, Kenya

Water Portability

I successfully completed the 'Water Portability a Machine Learning project, demonstrating my expertise in leveraging machine learning to address critical issues in water quality assessment. This project, available on GitHub at [PowerLearnProject-WaterPortability] (https://github.com/Clinton-Nyaore/PowerLearnProject-WaterPortability), highlights my commitment to applying data-driven solutions to real-world challenges.

Reference

Andrew Wambua

Co-founder, Vunatec

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Betty Mbithi

Co-founder, Vunatec

Phone: +254 722 966444

Email : bettyk.mbithi@gmail.com

Certifications

1. HCIA AI - Huawei - In progress
2. HCIA Math Basics - Huawei Issued Apr 2023
3. HCIA AI Basics - Huawei Issued Apr 2023
4. Global Impact of AI - Global AI Hub Issued Apr 2022 Credential ID eyJ1c2VyLWlkIjo1ODg5NiwiY291cnNlLWlkIjo3MTU4NCwiY2VydC1pZCI6Ijc1MTU5In0=
5. Introduction to AI, Robotics and Data - Global AI Hub Issued Apr 2022 Credential ID eyJ1c2VyLWlkIjo1ODg5NiwiY291cnNlLWlkIjo2MDg1MCwiY2VydC1pZCI6IjczMDUxIn0=
6. Introduction to Python (Live) - Global AI Hub Issued Apr 2022 Credential ID eyJ1c2VyLWlkIjo1ODg5NiwiY291cnNlLWlkIjo3NTcyMiwiY2VydC1pZCI6Ijc2ODMxIn0=
7. Introduction to Data Science in Python - DataCamp Issued May 2022
8. Data Types for Data Science in Python - DataCamp Issued May 2022
9. Data Manipulation with Pandas - DataCamp Issued May 2022
10. Python Data Science Toolbox(Part1) - DataCamp Issued May 2022
11. Python Data Science Toolbox(Part 2) - DataCamp Issued May 2022
12. Writing Efficient Python Code - DataCamp Issued May 2022
13. Supervised Learning with scikit-learn - DataCamp Issued Mar 2022
14. Unsupervised Learning in Python - DataCamp Issued Mar 2022
15. Linear Classifiers in Python - DataCamp Issued Mar 2022
16. Machine Learning with Tree-Based Models in Python - DataCamp Issued Mar 2022
17. Extreme Gradient Boosting with XGBoost - DataCamp Issued Mar 2022
18. Cluster Analysis in Python - DataCamp Issued Mar 2022
19. Dimensionality Reduction in Python - DataCamp Issued Mar 2022
20. Preprocessing for Machine Learning in Python - DataCamp Issued Mar 2022
21. Machine Learning for Time Series Data in Python - DataCamp Issued Mar 2022
22. Feature Engineering for Machine Learning in Python - DataCamp Issued Mar 2022
23. Model Validation in Python - DataCamp Issued Apr 2022
24. Introduction to Natural Language Processing in Python - DataCamp Issued Mar 2022
25. Feature Engineering for NLP in Python - DataCamp Issued Apr 2022
26. Introduction to TensorFlow in Python - DataCamp Issued Apr 2022
27. Introduction to Deep Learning in Python - DataCamp Issued Apr 2022
28. Introduction to Deep Learning with Keras - DataCamp Issued Apr 2022
29. Advanced Deep Learning with Keras - DataCamp Issued Apr 2022
30. Image Processing in Python - DataCamp Issued Apr 2022
31. Image Processing with Keras in Python - DataCamp Issued Apr 2022
32. Hyperparameter Tuning in Python - DataCamp Issued Apr 2022
33. Introduction to PySpark - DataCamp Issued Apr 2022
34. Winning a Kaggle Competition in Python - DataCamp Issued Apr 2022
35. Machine Learning with PySpark - DataCamp Issued Apr 2022
36. Sentiment Analysis in Python - DataCamp Issued Apr 2022
37. Building Chatbots in Python - DataCamp Issued Apr 2022
38. Advanced NLP with spaCy - DataCamp Issued Apr 2022
39. Spoken Language Processing in Python - DataCamp Issued Apr 2022