




GODWIN MUTHOMI

DATA SCIENTIST,ARTIFICIAL INTELLIGENCE,MACHINE LEARNING, ELECTRICAL ENGINEER

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SKILLS

ARTIFICIAL INTELLIGENCE

- **Natural language processing (NLP)** - Use state of the art algorithms, such as hugging face transformers, fastai and traditional NLP algorithms and deploy with AWS using EC2 instance
- **Computer Vision** - Use tensorflow, opencv,mediapipe and keras api to build computer vision web apps with html, css and javascript and deploy it for production
- **Reinforcement Learning** - I build intelligent agents on virtual environments to maximize reward on particular situations using state of the art algorithms like DDPG

DATA SCIENCE & ML

- Build stock market predictor models using RNN, FBProphet and streamlit
- Use EDA for robust data analysis and deploy the graphical analysis using flask for web apps
- Use Tableau for quick analysis of Data.
- Deep Understanding of all machine learning algorithms like supervised and unsupervised ml models for buiding data predictor models

ELECTRICAL & OTHER

- C++, C, MATLAB, Crocodile, Solidworks, Altium Design, AUTOCAD, Data Structures and Algorithms, Block Chain, Python

80 + PROJECTS

HEALTHIT

- Online HEALTH social system that is powered by Artificial Intelligence

DIGITAL SECURITY SYSTEM

- School security system for face ID recognition

UNIVERSITY OF MURANGA

BSc Electrical & Electronics Engineering
Sep 2018 - 2023 | EXCELLENT RESULTS

EXPERIENCE

Muranga University | Artificial Intelligence Engineer | Muranga

Feb - Sep 2021

- Created an NLP AI model Q-BOT that is trained with the Universitys data that is capable of answering any question related with the schools information,The model was created using BERT model from hugging face transformers that gave a significant accuracy of 90%
- Build an AI powered facial id recognition system using media pipe and facial recognition api to help detect students joining the school and save their names in a database improving security in the school
- Created a Social Distancing Detector using YOLO and OPENCV that helps to prevent spread of COVID, It works with the help of Computer Vision Technology and signals an alarm when COVID-19 distance protocols is not observed

MUTTEC | Tech Club Cofounder | Muranga

Jan - Dec 2019-2021

- Created a Tech Research club in our Univesity that Unites brilliant students who have different Technological skills to come together and solve various technological problems

Muranga | Machine Learning Tutor | Muranga

Jan 2020-Date

- Helped Univesity students in their Projects related to machine Learning and Artificial Intelligence and improved the overall performance of their models
- Have 2 years of experience in teaching Machine Learning to students with hands on projects that would enable them to meet industrial needs
- Improved performance to students who studied machine learning in the university as a unit
- Created complex AI projects with students who took part in my Machine Learning program to have a wide view of understanding complex data

Free Lancer | Data Science, Machine Learning, AI | Nairobi

Feb 2020 - Date

- Designed complex computer vision, AI systems and solved different data science projects for different people around the world
- Worked with different teams around the world to try and solve problems related to Data Science,Machine Learning and Artificial Intelligence

OLMEC | Control Engineer | Nairobi

Jan - March 2022

- Designed and built reverse osmosis control system for water purification
- Took part in analysis of bottle rinser system and improved its efficiency working performance by 20%
- Constructed the milk ATM system and improved its overall working condition by 30%

AWARDS AND CERTIFICATIONS

.IBM AI Enginnering Specialization Certification,Microsoft,Stanford,University of Toronto, SIEMENS

.UDEMY Artificial Intelligence Expert Certification Program,

.Undergraduate & Masters Asia Experience Program