

Emmanuel Yakubu

Software Engineer | ML and AI

Relevant Experience

Machine Learning Engineer (Contract) – Smartel – Mar 2025 – Apr 2025

- Developed a computer vision model to detect plant diseases and pests, enhancing agricultural diagnostics.
- Implemented deep learning techniques for image classification, improving detection accuracy.
- Optimized and integrated the model into Smartel's system, ensuring seamless user access to AI-powered insights.

Software Engineer – Freelance – 2019 – Present

- Built AI-powered applications, including chatbots, recommendation systems, and automation tools for various clients.
- Developed full-stack web applications using Python, Node.js, and modern JavaScript frameworks.
- Integrated machine learning models into production, enhancing user engagement and business efficiency.

Founder & Lead Developer – TenGo – 2024 – Present

- Designed and developed a full-stack food delivery platform, streamlining the ordering process.
- Built a responsive UI and optimized backend performance to handle high-traffic requests.
- Integrated secure payment gateways and real-time order tracking to enhance user experience.

Projects

Play with TOCA – Backend Developer | Team of 3 GitHub

- Established enhanced user security by using Django's built-in authentication system
- Collaborated with frontend developers using Git for version control
- Conducted thorough testing and debugging to identify and fix bugs
- Leveraged knowledge in Git, Python, Django, and JavaScript

Sentiment Analysis Project GitHub

- Developed a sentiment analysis model using Python and natural language processing libraries.
- Achieved an accuracy rate of 85% on a test dataset of 500,000 social media comments.
- Utilized the Roberta Pretrained Model to classify customer reviews into positive, neutral, and negative sentiments.
- Improved model performance and reduced noise in sentiment predictions by conducting comprehensive data preprocessing.

Github

Portfolio

LinkedIn

+250791955885

begati16@gmail.com

Education

AFRICAN LEADERSHIP UNIVERSITY

B.SC – Computer Science:
Software Engineering
(Python, SQL, Bash, HTML, CSS,
JavaScript & C)

Proficient Skills

Programming languages

Python and JavaScript(Data
Structure & Algorithms), R, Dart,
HTML/CSS, SQL

Frameworks & Libraries

Flutter, Django, Flask, pandas,
sci-kit learn, Tensor Flow,
Matlab, Git, Heroku, PyTorch

Platforms

Linux, Windows, Android, iOS,
Robotics

Tools

VS Code, Vim, Anaconda,
Figma, Heroku, Google Colab,
amongst others

Abilities

Digital fluency, design thinking,
teamwork, resilience,
adaptability, efficiency,
creativity, research, debugging,
testing, collaboration, time
management, Strong
communication, Active
listening, Negotiation, Data
analysis and Interpretation,
Market Analysis

Interests

Chess, Basketball, Music,
Robotics, Problem Solving &
Religion