

# Peter Rogendo *Machine Learning Developer (Python)*

✉ [progendo@kabarak.ac.ke](mailto:progendo@kabarak.ac.ke)

☎ +254794197997

📍 Nairobi, Nakuru, Kenya

in [Peter Rogendo | LinkedIn](#)

🔗 <https://rogendo.github.io/Rogendo/>

🗣️ <https://medium.com/@Rogendo>

## Profile

---

Hello, I'm Peter Rogendo a final-year student at Kabarak University pursuing Bachelor's degree in Computer Science. I'm a software developer and a driven Data Science enthusiast who is highly motivated, result-oriented and adaptable to quickly learn and apply new knowledge acquired in real industry problems. I'm Well-informed on latest machine learning advancements and new technologies in the digital intelligence processing environments. I am constantly seeking new opportunities to learn and contribute to the industry, with a passion for personal and professional growth.

## Professional Experience

---

2023/09 – current  
Nakuru, Kenya

### Freelance Software Developer

I am a freelancer Software Developer. In this role, I work with upwork and also remotask platforms to generate my income. My roles include:

- Developing and creating interactive websites
- API development and testing
- Data analysis and machine-learning model development

2023/05 – 2023/09  
Mombasa, Kenya

### Data Analyst Intern (Kenya Power)

<https://kplc.co.ke/>

In Kenya Power and Lighting Company, I was a data analyst and my roles included:

- Data cleaning (ETL Process)
- Data processing and Exploratory Data Analysis using Excel and PowerBi
- Working with data collectors.

2021/09 – 2021/12  
Nakuru, Kenya

### IT Intern

<https://www.mku.ac.ke/nakuru-campus/>

In this role, I was an intern my roles included:

- Updating computer software and upgrading hardware
- Resolve network issues in the offices of the staff members and MP
- Create reports and presentations using Microsoft Office software such as Word, Excel, and PowerPoint.
- Providing staff with assistance regarding IT issues
- Resolve network issues in the offices of the faculty head and members
- Create reports and presentations using Microsoft Office software such as Word, Excel, and PowerPoint.

## **Education**

---

2020/09 – 2024/12  
Nakuru, Kenya

### **Degree in Computer Science (Expected Graduation: December 2024).**

<https://kabarak.ac.ke>

Kabarak University is Kenya's top private Chartered institution of higher learning that provides holistic Christian-based quality education, training, research and outreach activities for the service of God and humanity. During my studies, I took Basic Electronics, Calculus, Computer applications, Research, Software Engineering, Operating system and Structure Programming.

The program taught me how to conduct research, use and program IoT devices, computer hardware and software, and the importance of entrepreneurship in the technology industry

2019/01 – 2019/06  
Nairobi, Kenya

### **Certificate in Web Development, Python and Android Programming**

<http://www.zalegoinstitute.com/>

Zalego Institute is a private institution that offers various short courses, certificate and diploma courses in the field of Information Technology.

This program introduced me to programming and I got a chance to learn web application programming, python programming and android app development using Java and Kotlin.

## **Projects**

---

### **Neural Language Translator for Kiswahili to English translation**

<https://github.com/Rogendo/Eng-Swa-Translator>

This is a machine learning model created on Transformers which translates English texts into Swahili and back. The data used in this model is locally collected.

### **Talent Assessment and Career Recommendation Web app**

<https://github.com/Rogendo/talent>

This is a career recommendation web application. It uses ML to predict the best possible career path for a student in respect to their interests, hobbies and talents

### **Mental Health Chatbot**

<https://github.com/Rogendo/Mental-health-Chatbot>

A virtual assistant chatbot for people who need psychiatrist help. This chatbot has also been integrated with a language translation feature. It helps those with unstable mind conditions such as bipolar disorder or are depressed.

### **Crop yield Prediction**

[https://github.com/Rogendo/Crop\\_Yield\\_Prediction](https://github.com/Rogendo/Crop_Yield_Prediction)

This project is a crop yield prediction. It predicts the most suitable crop to be cultivated or grown in a certain area with certain temperatures, rainfall, soil ph etc.

### **Loan Credibility Checker**

<https://github.com/Rogendo/LoanPrediction-MachineLearning>

This is a machine-learning project that aimed at checking the loan credibility of account holders in a bank. This model uses inputs such as debts, salary, marital status education level etc to check if a person is viable to get a loan or not.

### **KABU Online Marketplace**

<https://github.com/Rogendo/ComradeMarketPlace>

I was a member of the backend development team for a community project sponsored by Google. The website is an online marketplace where people can post and buy items online.

## **Skills**

---

### **Languages and Frameworks:**

SQL, PL/SQL, PostgreSQL,  
Django, Flask, Streamlit  
JavaScript Vanilla Js, React Js

### **ML algorithms**

Linear Regression, Neural  
Networks/Deep Learning, Tensorflow,  
Large Language Models  
HuggingFace

### **Statistical Programming & Packages**

Matplotlib, Numpy, Scikit-learn, Keras, PowerBi,  
Excell

### **Tools**

Git, GitHub, Hugging face, JupyterNotebook

## **Certifications**

---

- Artificial Intelligence and Tensor Flow Bootcamp, June-July 2022
- Data Visualization with Microsoft PowerBi, December 2023
- Deploying AI Solutions on the Google and IBM Clouds Bootcamp, August 2022 - September 2022
- Data Science Bootcamp, January 2023 –March 2023
- Artificial Intelligence and Tensor Flow Bootcamp, June-July 2022
- Standard Software development; Mobile App Development and Website Development Jan 2019 – Jul 2019
- Data Science Africa Workshop – Summer 2023

## **Interests**

---

- Blogging, Large Language Models, NLP, AI, Research, Gaming

## **References**

---

- Dr. Andrew Kipkebut, Lecturer (Artificial Intelligence Kabarak), 0719 499 615
- Mr. Simon Ruoro, Lecturer Kabarak University (Hardware and IoT), 0724 793 789
- Eng. Paul Silali, Geospatial Engineer Kenya Power, 0780 775 411
- Mr. Dedan Okware, Assistant Instructor Powerlearn, 0704 860 552