PATIENCE NKATHA KIRUKI

Nairobi, Kenya | +254 758418493

Email:patiencenkatha256@gmail.com

LinkedIn:https://www.linkedin.com/in/patience-nkatha-a27027279/   Tel:+254 758418493

Github:https://github.com/nkatha1   00502 Nairobi, Kenya

Portfolio:https://nkatha1.github.io/my-portfolio-website/

I am a Software Engineer who adheres to sound and innovative engineering to apply technological concepts to complex challenges, embracing new technology, tools, methodologies, and processes to capitalize on opportunities and build innovative software solutions. Expert at defining critical path analysis and roadmaps, designing, testing, and producing clean code using front-end and back-end programming languages and frameworks. Team player who is well organized and collaborative, with great communication and analytical skills.

EXPERIENCE

Full Stack Software Developer

Fiverr - Remote | Jan 2024 – Present

- Built customer-facing experiences, services, developer dashboards, and tools to improve optics
- Developed flowcharts, layouts, and documentation to identify requirements and solutions

Junior Data Analyst

Maara Sub-county Offices | May 2023 – August 2023 | Nairobi, Kenya

- Collected and analyzed data using SPSS and Excel to generate actionable insights on socio-economic trends.
- Developed reports and visualizations to support decision-making and policy formulation.
- Assisted in the development of forecasting models for regional economic activities.

Junior Web Developer

Crowdsource | October 2022 – October 2023 | Nairobi, Kenya

- Developed web applications with both frontend and backend functionalities using HTML, CSS, JavaScript, and Python (Flask).
- Optimized user interfaces to enhance user engagement and experience.
- Collaborated with cross-functional teams to ensure project milestones were achieved within deadlines.

AI Speaker & Tech Mentor

Hopecore Organization | January 2020 – September 2021 | Nairobi, Kenya

- Delivered AI-focused talks and workshops to introduce youth to the world of technology and AI.
- Organized training sessions to help youth explore opportunities in tech and AI.

EDUCATION

Bachelor of Economics and Statistics

Kirinyaga University | 2020 – 2024 | Nairobi, Kenya

- Collaborated with fellow students on class projects and innovation club hackathons
- Introduction to computer languages (Java, C, C#)
- Introduction to database management systems (MySQL, PostgreSQL)
- Collaborated with other students to analyse complex data using R-programming.

Skills

- Expert in: Teamwork and collaboration, PostgreSQL, MySQL, MongoDB, Technical writing,Data analysis
- Intermediate in: C, JavaScript, React, Node, Python, Django, Flask
- Basic in: Cloud computing (Microsoft Azure, AWS)

Certifications

- **Software Engineering (Ongoing)** | ALX | 2023 – Present
- **SQL for Data Science** | Coursera
- **Data Analysis** | Coursera**SKILLS**

PROJECTS

E-Shop API (Task Management App)

● Full-stack task management app with user authentication, database design, and payment gateway integration using Flask and SQL.

Market Analysis Project

● Conducted a data-driven market analysis for forecasting consumer behavior using regression analysis and presented actionable insights for decision-makers.

AI House Price Prediction

● Built and deployed an AI-based model to predict house prices using machine learning algorithms (Linear Regression, Random Forest) with Python (Pandas, Scikit-Learn).
● Deployed the model as a web application for real-time predictions using Flask.

STRENGTHS

● **Data Analysis & Modeling**: Expertise in statistical modeling and data analysis using Python, R, and Excel to derive actionable insights.
● **Full-Stack Development**: Skilled in building end-to-end applications using Flask and SQL, focusing on user experience and functionality.
● **Machine Learning**: Knowledgeable in machine learning algorithms for predictive analytics and optimization.