Alex Munene Muriithi

Data Scientist & Software Engineer

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GitHub: github.com/LexyMunene | LinkedIn: linkedin.com/in/alexmuriithi

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Professional Summary

Passionate data scientist and software engineer with over 2 years of experience transforming complex data into actionable insights and building innovative solutions. Strong expertise in machine learning, mobile app development, and full-stack web engineering.

Technical Skills

- Python, TensorFlow, Machine Learning, Audio Processing
- Jupyter Notebooks, NumPy, Pandas, Scikit-learn
- Tableau, Power BI, SQL, Excel, Data Visualization
- React, Next.js, TypeScript, JavaScript, HTML/CSS, Tailwind CSS
- Android, Java, Android Studio, UI/UX Design
- SQLite, Git, Version Control

Professional Experience

Data Analyst Intern | Deloitte

2024 | Kenya

- Analyzed large datasets and provided actionable insights to senior stakeholders.
- Developed reports and dashboards using Tableau and Power BI.
- Worked with cross-functional teams to optimize business performance through data.

Machine Learning Developer | Fiverr

2023 | Remote

- Developed an ML model for guitar chord detection with neural networks.
- Implemented real-time audio signal processing using deep learning techniques.

Mobile App Developer | Freelance

2023 | Remote

- Designed and deployed a mobile strategy game from concept to app store.
- Built seamless UI/UX and robust backend data handling systems.

Lead Frontend Developer | Clients

2022 - Present | Remote

- Delivered 15+ fully responsive web applications using modern frontend stacks.
- Maintained high performance standards with Lighthouse scores above 90.

Featured Projects

Guitar Chords Identification System

Machine Learning | 2024

- Developed real-time guitar chord recognition using TensorFlow and Python.

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HR Analytics Dashboard

Data Analytics | 2024

- Built a Tableau dashboard for HR metrics, providing strategic workforce insights.

ARIMAA Strategy Game

Mobile Development | 2023

- Created Android strategy game with clean UI and multiplayer support.

CR-RECORDS Church Management Software

Desktop Application | 2023

- Engineered a Windows-based software system for church data administration.

Education

- Chuka University - BSc in Mathematics

Certifications

- SPSS Certification
- STATA Certification

Key Achievements

- Developed 15+ websites with React, Next.js, and Tailwind CSS.
- Built and deployed 4+ machine learning models.
- Published 3+ mobile applications to the Play Store.
- Enterprise analytics experience at Deloitte.
- 5-star client ratings across all freelance projects.

Languages

- English: Professional Proficiency
- Swahili: Native Proficiency

Interests

- Music Technology & Audio Processing
- AI Research & Innovation
- Strategic Game Development
- Open Source Contribution