

Lucy Muriithi

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EDUCATION

University Of Nairobi

Bachelor of Science in Geospatial Engineering

Nairobi, Kenya

Sep. 2018 – Aug 2023

PROJECTS

Headstarter AI Fellowship | *NextJS, OpenAI, Pinecone, Stripe API, React, GCP*

Aug 2024 – Present

- Developed 5+ AI apps & APIs from design to deployment, with 98% accuracy as seen by 1000 users.
- Coached by Google, Bloomberg, IBM and Capital One engineers on Agile, CI/CD, Git, and microservice patterns.
- Participated in the integration of complex LLMs to boost AI functionalities, enhancing project performance by 25% in initial user tests.
- Contributed to a creative and dynamic learning environment by providing valuable feedback on peer projects, fostering innovation and team collaboration.

Welcomi AI Chatbot | *Python, JavaScript, Next.js, GitHub Actions, LLM Integration*

August 2024

- Participated in the backend development and integration of advanced LLMs in an AI-powered customer support application, boosting the AI's responsiveness by 30%.

Portfolio Website | *HTML, CSS, JavaScript, GitHub Pages*

August 2024

- Revamped personal portfolio website to effectively showcase software engineering skills, implementing advanced web development techniques and SEO strategies, leading to a 50% increase in portfolio traffic.

Pantry Tracker App | *Next.js, React, Firebase, Material UI*

August 2024

- Built a full-stack web application using Next.js and React, allowing users to manage pantry items, resulting in a 20% reduction in household food waste.
- Integrated Firebase for user authentication and data storage, ensuring a secure and persistent user experience, with a 99% retention rate.
- Designed and implemented a responsive user interface using Material UI, increasing user satisfaction and app usability by 40%.

Farmdine App | *Django, Django REST Framework, PostgreSQL, Docker*

June 2024

- Engineered scalable backend services for a large-scale food service platform, leading to a 35% increase in platform engagement and user satisfaction.
- Leveraged Django models and integrated PostgreSQL to ensure robust and efficient data management, reducing query times by 25% and enhancing overall system performance.
- Implemented advanced features such as product image upload, pagination, and a dynamic comment/like system, which contributed to a 20% increase in user retention.
- Collaborated within an Agile development team, consistently meeting project deadlines and delivering high-quality features, contributing to the platform's successful launch and subsequent user adoption.

CERTIFICATIONS

Certification In Software Engineering

ALX Holberton School

2022 – 2023

Remote, California

Backend Development Internship

Internpulse

June 2024

Remote, Nigeria

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS

Frameworks: React, Next.js, Django, Material-UI, Flask

Databases: MySQL, PostgreSQL, SQLite

Developer Tools: Git, Postman, GCP, GitHub Actions

Cloud/Infrastructure: Google Cloud, Containerization, CI/CD pipelines

Other: REST APIs, Distributed Systems, AI/ML Technologies