Nicholas Kariuki

Full-Stack Developer with Expertise in Machine Learning and AI Applications

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About Me

I'm Nicholas Kariuki, a full-stack developer and machine learning enthusiast who thrives on turning ideas into intelligent systems. My interests span from backend development to deploying AI-powered solutions that drive innovation and efficiency.

Skills

- Frontend: Nuxt.js, Vue.js,ts
- Backend: Python, FastAPI,ORMs
- ML: PyTorch, Scikit-learn
- Tools: Linux, Docker, Git, SQL
- Sys Admin: Website Deployment, Domain & Subdomain Setup, SSL, Email Configuration

Education

Kenya Certificate of Secondary Education (*KCSE*)

Lanet Secondary School — B- 2018 - 2022

Key Subjects: Mathematics, Physics, Computer Studies, Business Studies, English

Achievements: ICT Club Member, Maths Contest Participant

Bachelors Degree in Computer Technology

Murang'a University of Technology — Expected 2027 from 2023

Areas of Interest: Full-Stack Development, Machine Learning, Cloud Computing, Linux Administration, Mobile App Development, System Design

Experience

Hackathon Project Member

Muranga university 2025-2026

Participated in an AI-based hackathon project(Pothole Spotter), where we developed an intelligent system to detect road potholes using computer vision. The system transmitted geolocated data to a cloud server for visualization and mapping to assist in road maintenance.

Team awarded for innovation and technical design.

Multiple Full-Stack Projects — Personal & Collaborative

Personal & Collaborative from 2022

Designed and developed several full-stack systems featuring JWT-based authentication, real-time WebSocket communication, and API integrations.

Explore projects at: kariuki-nicholas.netlify.app/projects

References

Murung'a University

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