PETER MUTISO

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Objective

Motivated and detail-oriented aspiring software engineer seeking an internship to apply my diverse skill set in full-stack development, web design, machine learning, IT support, and networking. Passionate about problem-solving and continuous learning, I aim to contribute effectively to a dynamic team.

Education

Kisii university
Bachelor's Degree in Information Technology
23 AUG 2022 - Present

Relevant Coursework: Data Structures & Algorithms, Web Development, Machine Learning, Computer Networks, Cybersecurity, Database Management, technical support, web design and graphic design

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Technical Skills

- **Programming Languages:** Python, JavaScript, Java, C++, HTML, CSS, SQL
- **Web Development:** React, Node.js, Flask, Django, Bootstrap, Tailwind CSS
- **Machine Learning & AI:** TensorFlow, Scikit-learn, Pandas, NumPy
- **Databases:** MySQL, PostgreSQL, Firebase, MongoDB
- **Networking & IT Support:** TCP/IP, DNS, VPNs, Network Security, Troubleshooting
- **Cybersecurity:** Ethical Hacking, Penetration Testing, Security Protocols
- **Graphic Design:** Adobe Photoshop, Illustrator, Blender, Pencil2D

- **Development Tools:** Git/GitHub

Certifications

- **Cybersecurity Certification** – TECH LIFE
- **AI & Machine Learning Certification** – TECH LIFE
- **Data Science Certification** – NEXT GENERATION
- **IT for Business Certification** – TECH LIFE

Projects

Heart Disease Prediction System

- Developed a Flask-based ML system that predicts heart disease risks using patient data.
- Built a complex front-end with HTML, CSS, and JavaScript.
- Integrated personalized intervention recommendations.

Mkulima Smart Platform

- Designed a digital platform connecting smallholder farmers to markets and expert consultations.
- Implemented a USSD, mobile app, and web portal for accessibility.

Mwaniki Enterprise

- Built a full-stack system with Flask for business automation, including invoicing and customer management.

Afya Platform

- Developed a database system for managing healthcare records efficiently.
- Integrated features to enhance patient data security and accessibility.
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Hospital management system

- Developed a full hospital management system
- Allowed some disease detections in the system
- Fully controlling the database

Case detection

- Developed a case detection system using machine learning

Wildlife prediction

- Developed a full system foe wildlife prediction

Experience

Freelance Full-Stack Developer – 3 years

- Designed and developed websites and applications for clients.
- Provided IT support and cybersecurity recommendations.

Technical Support Intern - remote

- Assisted with troubleshooting hardware/software issues.
- Managed network configurations and security protocols.

Soft Skills

- Problem-Solving & Critical Thinking
- Team Collaboration & Communication
- Time Management & Adaptability
- Decision making