**GLORIA NYAMBURA WANYAGA**

Aspiring DevOps Engineers

**CONTACT**

**LOCATION**:

Nairobi, Kenya

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**LINKEDLN:**

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**GITHUB:**

[https:](https://github.com/kira8ke)[//github.com/kira8ke](https://github.com/kira8ke)  
  
**PORTFOLIO:**

[Gloria's portfolio](https://wanyaga.netlify.app/)

**EDUCATION**

Bachelor of Science in Computer Science  
Cooperative University of Kenya

| 2023-2027

* Strong coursework in Mathematics, Data Structures and Algorithms , Software Engineering, Networking, OOP,Database Management and Systems.

**SKILLS**

**Programming Languages**:

Python, HTML, CSS,C++,C,Java

**Tools/Software:**

Git, GitHub Actions, WordPress,Linux,Windows,FlutterFlow, NumPy

**DevOps and MlOps:**

TensorFlow, PyTorch, Scikit-learn, Keras,CI/CD pipelines, Terraform,Kubernetes and Docker,  
Jenkins, Ansible( Self-paced learning)

**Cybersecurity:**

Foundational knowledge in DevSecOps, basic networking knowledge,

**SUMMARY**

Passionate and detail-oriented Computer Science student with a strong foundation in API integrations, security, and DevOps. Experienced in secure web development, network traffic analysis, and authentication systems, passionate about AI/ML , CI/CD pipelines, AI - automation tools, and containerization. Adept at problem-solving, technical research, and collaborative development. Excited about the opportunity to contribute to your team, applying AI/ML to enhance system performance and reliability while expanding my expertise in a dynamic and innovative environment.

**EXPERIENCE**

**Participant | Huawei LEAP Sub-Saharan Africa Study Talent Camp 2024 (16th -25th November 2024)**

* Collaborated on a project addressing sustainability and SDG goals, using computational methods to propose solutions for flood and e-waste management to counter problems in Kenya.
* Enhanced teamwork and presentation skills by delivering findings in a competitive environment.
* Came up with a solution towards Agricultural problems faced in Kenya called Agriventure that was aimed towards

**Web Development Lead | Laundry Business Project**

* Currently building a user-friendly website, integrating customer interaction features and service management tools.
* Applied practical HTML, CSS, and WordPress skills to enhance functionality and user experience.

**PROJECTS**

**Uvuvi Tek – Smart Fishery System (Ongoing)**

Developing an AI-driven smart fishery system to help Kenyan fish farmers optimize fishing and reduce overfishing. Integrates sensors and imagery analysis to track fish-rich areas based on water conditions.

Technologies:

Machine Learning, MLOps, Cloud Computing, IoT, Mobile App Development

Key Features:

Mobile App & Kindle-Like Devices for real-time fish tracking

AI Predictions on fish movement based on environmental factors

Impact: Supports sustainable fishing and boosts farmer productivity

**Web Security & Network Analysis**

Developed a secure login system using HTML, JavaScript, and PHP/ASP.NET, implementing session-based authentication, password hashing, secure cookies, and SQL Injection prevention.

* Analyzed HTTP GET and POST requests with Wireshark, identifying request/response headers, MIME types, and HTTP status codes.
* Documented security implementations and network findings in a detailed report with screenshots.

**HOBBIES**

Playing Basketball and watching football  
Trying new foods and recipes

Reading novels   
Listening to orchestras and music  
Watching movies

**REFEREES**

Ian Korir  
Huawei Seeds of the Future Program Lead, Kenya   
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Marianne Njuguna  
Lead, She Code Africa- Nairobi Chapter   
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<njugunamaryanne7@gmail.com>

**Agriventure| Huwaei LEAP Sub Saharan Digital Talent Study Camp 2024**

We designed a platform that was aiming towards connecting farmers directly to the market, inorder to maximise their profits and improve their lifestyles.

**Teach2Give Roundabout Design, Nyeri Challenge**

Designed a round - about structure reflecting community and family values, showcasing creativity, project management, and problem- solving capabilities

**LEADERSHIP**

**Lead, She Code Africa – Cooperative University Chapter (2023 – Present)**

Spearheaded initiatives to support and empower women in technology through workshops, mentorship programs, and hands-on coding sessions.

Fostered continuous engagement within the community by organizing regular events, discussions, and collaborative projects, creating an inclusive environment for members to thrive.

**ACHIEVEMENTS**

**Participant, Huawei LEAP (Leadership, Employability,**

**Advancement, Possibility) Digital Talent Study Camp | November 2024**

* Represented Kenya in Shenzhen, China, participating in training on AI, 5G, Cloud, IoT, and Big Data.
* Advanced to the finals of the Tech4Good competition, pitching a solution to make Agricultural farmers have direct access to the market.

**Balancing Advanced Learning with Academics**

* Successfully balancing self paced DevOps learning with academic coursework, hackathons and personal projects.
* Demonstrated strong time management and prioritization skills to excel in multiple demanding areas simultaneously.
* Working on implementing CI/CD pipelines for personal projects.Gaining hands-on experience with cloud deployment AWS.