

# GEORGE NYONGESA WEPUKHULU

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## Education

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### The Catholic University of Eastern Africa

B.S. Computer Science

Nairobi, Kenya

Awarded November, 2025

- Relevant Coursework: Software Engineering, Operating Systems, Data Structures & Algorithms, Database Systems, Web Development
- Awards/Activities: University Football Team Member, Computer Science Club Member

### St. Anthony's Boys High School - Kitale

Kenya Certificate of Secondary Education

Kitale, Kenya

Feb 2013 – Nov 2016

- Exam Distinction: KCSE Completed
- Awards/Activities: School Football Team (regular player), Computer Club Member, Science & Technology Fair Participant, Class Representative

## Leadership & Work Experience

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### Tipis Technologies

Cyber Café Services

Ongata Rongai, Kenya

May 2023 - November 2023

- Offered essential cybercafé services including printing, scanning, photocopying, and lamination.
- Assisted customers with online applications such as eCitizen services, KRA returns, job applications, and document preparation.
- Performed basic computer troubleshooting and system diagnostics.
- Managed browsing services, time tracking, and ensured proper workstation functionality.
- Installed and maintained antivirus software and ensured systems were secure and updated.

### Ministry of Agriculture, Livestock and Fisheries

ICT Attachment

Nairobi, Kenya

May 2022 - August 2022

- Configured and repaired Local Area Networks (LAN), ensuring stable connectivity across departments.
- Participated in system design and development projects under the ICT Unit.
- Developed and contributed to web-based applications used internally.
- Provided user support, troubleshooting software, hardware, and network-related issues.
- Assisted in instructional learning design for staff ICT training.
- Repaired and maintained ICT equipment, improving operational efficiency.
- Trained users on new systems and ICT best practices.
- Performed additional technical duties as assigned by supervisors.
- Recognized for outstanding performance, creativity, strong personality, and dedication to challenging tasks.

- Collected and compiled data from hotel websites and various online sources for company databases.
- Entered, updated, and verified large volumes of information with high levels of accuracy.
- Cleaned and organized datasets to ensure consistency and completeness.
- Conducted online research to gather missing or updated hotel details, pricing, contacts, and service information.
- Ensured data integrity through regular validation, cross-checking, and corrections.

## Projects

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### Portfolio Website

Developer

- Designed and developed a personal portfolio using React and CSS
- Showcases completed projects, technical skills, and professional experience.
- Optimized for fast load times and mobile responsiveness.

### AI – Powered Book Exchange System

Developer

- Built a web-based book exchange platform using HTML, CSS, JavaScript, Python, and MySQL.
- Implemented user accounts, book uploads, search functionality, and exchange requests.
- Developed a hybrid recommendation system that suggests books based on user interests, past interactions, and book metadata
- Designed and optimized the backend API and database schema to support secure, scalable operations.

## Additional Info

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- **Languages:** HTML, CSS, JavaScript, TypeScript, Python, PHP, Java, SQL
- **Frameworks/Tools:** React, Next.js, Django, Node.js, Express.js, Bootstrap, Tailwind, MySQL, MongoDB, SQLite
- **Software:** Git, Postman, VS Code, Netlify, Heroku
- **Activities:** Football (University & High School Teams), Community IT Support
- **Certifications:** Responsive Web Design (freeCodeCamp)
- **Badges:** JavaScript Essentials (Cisco Networking Academy)
- **Training:** ISC<sup>2</sup> Certified in Cybersecurity (CC) - Official Training Modules Completed (Exam Pending)

## Referees

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- 1.** Michael Kinyua  
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