



CURRICULUM VITAE

Njeru Brian Mwenda

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PERSONAL PROFILE

Motivated and detail-oriented Bachelor of Science in Applied Computer Science student at Chuka University, passionate about software development, web technologies, system design, and database management. Proven ability to solve complex problems and collaborate in team environments. Strong foundation in programming, GUI design, data handling, and system simulation.

EDUCATION

Chuka University

Bachelor of Science in Applied Computer Science

2022 – 2026 (Expected)

Relevant Coursework: Software Engineering, Artificial Intelligence, Database Systems, Algorithms, Computer Graphics

St. Paul Kiamboa Secondary School

Kenya Certificate of Secondary Education (KCSE)

Completed: 2021

INDUSTRIAL ATTACHMENT

ICT Department – Murang'a University of Technology

Intern, May – July 2025

- Participated in hardware maintenance, network setup, and troubleshooting
- Gained hands-on experience with IP configurations, fibre & Ethernet cabling
- Assisted in CCTV installations, printer configurations, and system upgrades

- Worked with ERP systems (ABNO), user account setup, and network security
- Applied programming and UI design skills in real-world IT operations

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, PHP, C++
- **Web Development:** HTML, CSS, React, Node.js, Django
- **Database Systems:** MySQL, MongoDB, PostgreSQL
- **Software Tools:** VS Code, GitHub, Firebase, Vercel
- **GUI Design:** Java Swing, React Native (Expo), Material UI
- **Other Tools:** Microsoft Office Suite, Canva, Figma
- **Operating Systems:** Windows, Linux (Kali)

PROJECT EXPERIENCE

JazaTank – Fuel Ordering System

- React Native frontend (Expo), Django backend with PostgreSQL
- Integrated Firebase authentication and deployed on Vercel
- Features: user authentication, supplier management, order tracking

City Traffic Simulation – OpenGL C++

- Simulated real-time traffic flow with pedestrians, lights, and vehicles
- Developed with GLFW, GLEW, and GLM libraries using C++ in VS Code

Postgraduate Tracking System – Murang’a University

- Built React dashboard with MongoDB and registration validation
- Featured dynamic dashboard previews, supervisor chat, and progress tracking

LEADERSHIP & COLLABORATION

- Led team roles during group projects in system development courses
- Maintained active GitHub repo with structured commits and documentation

- Actively collaborated with staff during internship to troubleshoot and solve technical issues

CERTIFICATIONS & ACHIEVEMENTS

- Completed Cisco Networking Tutorials (Introductory Level)
- Participated in internal university hackathons and coding competitions

PERSONAL DETAILS

- **Full Name:** Njeru Brian Mwenda
- **Date of Birth:** April 2, 2003
- **Nationality:** Kenyan
- **Marital Status:** Single
- **Religion:** Christian
- **Languages:** English, Kiswahili

REFERENCES

Available upon request.