

JANE CHEPCHUMBA BUSIENEI

Nationality: Kenyan | **Email Address:** Chepchumbajane2@gmail.com | **Phone:** (+254) 724159458

Address: Kisumu Road 2172-30100, Zaburi, 30100, Eldoret, Kenya (Home)

● PROFESSIONAL SUMMARY

I am a graduate with a background in Applied Physics and Computer Science. With research capabilities, problem-solving skills, and a collaborative mindset, I am well-prepared to tackle complex challenges. My long-term goal is to utilize technology to solve societal problems.

● SKILLS AND COMPETENCIES

- Programming skills: Python, C, PHP (Intermediate level).
- Scripting language: HTML and CSS (Intermediate level).
- Data analytics: Excel and Python libraries.
- Database management: MySQL.
- Astronomy: CASA, SAOImage DS9.
- Machine learning: data extraction, loading, cleaning, processing, feature engineering, and model evaluation.
- Research skills.
- Independent and team collaboration.
- Good communication skills.

● EDUCATION

2018 (Aug) – 2022 (Aug): **Degree: Bachelor of Science in Applied Physics and Computer Science**

Multimedia University of Kenya, Nairobi

2014 (Feb) – 2017 (Nov): **Highschool: Secondary Education Certificate**

Uasin Gishu High School, Eldoret

● WORK EXPERIENCE

2023 (Mar) – 2023 (May): **IT Support Intern**

AFRICAN DIGITAL LEARNING ACADEMY(ADLA)

- Installed and troubleshoot over 100 computers.
- Conducted planetarium shows to 100 kids in grades 1 to 12.
- Trained robotics and educational software to 30 students.
- Organized company events and wrote reports and official letters.
- Designed company website and graphics.

2022 (Aug) – 2022 (Nov): **IT support attaché**

KISUMU COUNTY REFERRAL HOSPITAL(KCRH)

- Trained 20 staff on hospital management system.
- Maintained hardware and software in 5 hospital departments.
- Administered hospital management system.

● CERTIFICATIONS

2024 (Feb) – 2024 (Apr): **Certificate: Digiskills Africa – Digital Transformation Course**

Innoglobal

2023 (Sep) – 2024 (Feb): **Certificate: (DARA-KOTI) Development in Africa with Radio Astronomy and Kenya Optical Telescope Initiative**

DARA

Linux and Python training, optical astronomy, radio astronomy, data reduction and analysis.

2023 (Jan) – 2023 (Feb): **Certificate: Software Testing**

QATestLab

2022 (Mar) – 2023 (Aug): **Certificate: Google Cloud**

Google Africa Developer Training Program

● VOLUNTEERING EXPERIENCE

2024 (May - Jun): **Project Implementation Volunteer**

ELIMISHA MSICHANA ELIMISHA JAMII NA ASTROLOGIA(EMEJA)

- Conducted physics and computer practical.
- Helped in mentorship programs for 50 grade 9 girls.
- Wrote reports to evaluate performance.

● PROJECTS

- 2022: Multimedia University of Kenya
Undergraduate - Web-based information system for farmers.
- 2025: University of South Africa
Joint Project – Evaluating Astronomy tourism potential in Kenya using Data Science tools.