Hilary Wafula Munyole

Water Resource Management Professional | Climate Literacy Specialist | AI & Digital Inclusion Advocate

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PROFESSIONAL SUMMARY

A purpose-driven Water Resource Management professional with certifications in Climate Literacy and the AI Fluency Framework & Foundations. Experienced in social media content creation and brand strategy, with a specialisation in leveraging AI-powered digital tools to advance community climate literacy and inclusive socioeconomic development. Committed to bridging technical expertise with accessible communication to foster equitable environmental awareness.

CORE COMPETENCIES

Water Resource Management	Climate Literacy Education	AI Fluency & Applications
Digital Inclusion Strategy	Community Engagement	Socioeconomic Development
Brand Strategy	Social Media Content Creation	Environmental Communication
Research & Policy Analysis	Stakeholder Communication	Data-Driven Storytelling

PROFESSIONAL EXPERIENCE

Water Resource Management Professional*[2021] – Present*

[Organisation: Bungoma county water, climate change and natural resources departments] • [Bungoma]

- Managed and monitored water resource systems to ensure sustainable supply, quality, and equitable distribution across communities.
- Conducted environmental assessments and developed data-informed recommendations aligned with climate adaptation goals.
- Collaborated with government agencies, NGOs, and local stakeholders to design and implement water conservation programmes.
- Produced technical reports and policy briefs communicating complex hydrological data to non-specialist audiences.
- Integrated AI-based analytical tools to improve forecasting accuracy for water resource planning.

Brand Strategy & Social Media Externship*[2026]*

[Company Name: Extern] • [Location: Hybrid]

- Developed and executed data-driven social media content strategies to amplify organisational messages around sustainability and community development.
- Created climate and environmental awareness campaigns across digital platforms, increasing audience engagement and reach.
- Applied inclusive communication principles to ensure messaging resonated with diverse socioeconomic audiences.

- Collaborated with cross-functional teams to align brand voice with environmental and social impact objectives.

CERTIFICATIONS & PROFESSIONAL TRAINING

Climate Literacy Certification*[2025]*

[Issuing Organisation; Nottingham Trent University]

- Demonstrated comprehensive understanding of climate science, policy frameworks, and community-level climate communication strategies.
- Applied climate literacy principles to develop accessible educational resources for diverse stakeholder groups.

AI Fluency Framework & Foundations*[2026]*

[Issuing Organisation: Anthropic]

- Acquired foundational and applied knowledge of artificial intelligence concepts, tools, and ethical frameworks.
- Developed competency in deploying AI-driven digital services for inclusive community engagement and socioeconomic development.

EDUCATION

[Diploma in Water Resources & Environmental Management]*[2020]*

[University: Masinde Muliro University of Science and Technology] • *[Kakamega.Kenya]*

- Relevant coursework: Hydrology, Environmental Policy, Sustainable Development, GIS & Remote Sensing.
- Academic achievements include; Establishment and maintenance of local-led biodiversity restoration initiatives i.e. green nurseries and kitchen gardening for water management.

RESEARCH INTERESTS & AREAS OF FOCUS

- Intersection of AI and climate adaptation in water-scarce and climate-vulnerable communities.
- Digital tools for inclusive environmental education and community climate literacy.
- Socioeconomic dimensions of water access, governance, and sustainable development.
- AI-assisted policy analysis and environmental communication for grassroots advocacy.

TECHNICAL & DIGITAL SKILLS

- AI & Digital Tools: Proficient in AI fluency frameworks, generative AI platforms, digital content management systems.
- Data & GIS: Environmental data analysis, geographic information systems (GIS), hydrological modelling.
- Content & Communication: Social media strategy, brand development, visual storytelling, multimedia content creation.
- Research & Writing: Technical report writing, policy briefs, academic research, environmental communications.

LANGUAGES

- [Primary Language] — Native(Swahili)

- [Second Language] — English

PERSONAL INTERESTS

Hiking & Nature Exploration — deepens applied understanding of environmental systems and landscapes. | Reading — spanning environmental science, development economics, and contemporary fiction. | Writing — essays, reflections, and creative non-fiction on climate and society. | Painting — a reflective practice exploring nature, culture, and environmental themes through visual art.

References available upon request;https://www.facebook.com/share/1DJ3fzAkwo/,

https://www.facebook.com/share/1HNobJz6UY/