ALEX KIMANI KANG'ETHE

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SUMMARY

Analytical and versatile Geography graduate with experience in GIS, geospatial analysis, environmental and water projects, research, competitive intelligence, and digital technology. Gained practical experience at the Ministry of Water, Sanitation and Irrigation (Maji House) and through a Competitive Intelligence externship with Expedia, supporting research, project activities, data analysis, and strategic insights. Also a Shamiri Institute alumnus through Youth Café, with experience in communication, research, and group facilitation. Skilled in GIS, data visualization, programming, web development, and artificial intelligence, with strong communication, problem-solving, and stakeholder engagement abilities.

PROFESSIONAL EXPERIENCE

Quest Holdings Limited Customer Service Representative – Debt Collection Department
june - july 2026

- Communicated with clients professionally to negotiate repayment plans and provide account support.
- Maintained accurate customer records and updated payment progress using internal systems.
- Applied conflict resolution and persuasive communication techniques to achieve positive outcomes.
- Built strong customer relationships by offering flexible and customer-focused solutions.
- Demonstrated professionalism, accountability, and attention to detail in all customer interactions

Ministry of Water, Sanitation and Irrigation (Maji House), Nairobi
Attachee – Water & Sanitation Projects **May–Aug 2025**

- Supported project documentation and reporting for water and sanitation initiatives under national programmes.
- Assisted in monitoring the implementation progress of borehole drilling and sanitation infrastructure projects.
- Supported GIS mapping and spatial analysis of irrigation schemes for planning and visualization of agricultural water infrastructure.
- Contributed to Land Degradation Assessment (LADA) activities, supporting spatial analysis of land degradation and environmental conditions.
- Assisted with water-pan site suitability analysis, applying GIS-based spatial criteria to support identification of potential water-harvesting sites.

- Contributed to data organization, field observations, and project insights for evaluation and planning.
- Collaborated with technical staff and stakeholders, gaining practical exposure to GIS applications, environmental assessment, project coordination, and policy implementation.

RESEARCH & PROFESSIONAL EXPERIENCE

Competitive Intelligence Extern – Expedia Group **Jul–Aug 2024**

- Analyzed digital advertising trends in the travel industry, identifying emerging patterns and strategic opportunities.
- Researched competitors and evaluated advertising strategies, market share, revenue models, and capabilities within the digital advertising landscape.
- Developed strategic recommendations on investment opportunities in digital advertising.
- Created presentation decks and video presentations to communicate actionable insights and support informed decision-making.
- Completed the four-week externship at approximately 10 hours per week, gaining practical experience in competitive research, strategic analysis, and professional communication.

Research Fellow – Shamiri Institute / Youth Café **Mar- Jun 2024**

- Supported youth-focused research and group-based programmes aimed at promoting wellbeing and personal development.
- Facilitated group sessions for adolescents, leading discussions on growth mindset and gratitude.
- Managed groups of approximately 6–15 participants, encouraging participation and effective communication.
- Assisted with data collection and research activities to support evaluation of programme outcomes.
- Developed strong skills in communication, facilitation, empathy, teamwork, and adaptability through direct engagement with diverse youth groups.

EDUCATION

2022-2026, Bachelor of Art in Geography , Karatina University.
2018-2022, C+ (Plus), Secondary Education, Makuyu boys' highschool
2009 - 2018 , C+(plus) Primary Education, Shimo-La-Tewa Primary School.

PERSONAL PROJECTS

- **RUSLE Soil Erosion Modelling** – Machakos
  Applied GIS and Python to model soil erosion using rainfall, soil, terrain, and land-cover data.
- **Flood Susceptibility Mapping** – Kitengela
  Conducted GIS-based analysis of terrain, rainfall, land cover, and hydrological factors to assess flood susceptibility.
- **3D Borehole Visualization** – Three.js
  Created an interactive 3D borehole model using web-based visualization.
- **Kenya Irrigation Schemes Mapping**
  Mapped and analysed the spatial distribution of irrigation schemes across Kenya using QGIS.
- **Personal Portfolio**
  Designed and developed a personal website using HTML and CSS to showcase projects and technical work.

TECHNICAL SKILLS

- GIS & Geospatial: QGIS, ArcGIS, Spatial Analysis, Cartography, Remote Sensing, GIS Mapping
- Programming: Python, C, Java
- Web & Visualization: HTML, CSS, Three.js, Interactive Visualization
- Geospatial Analysis: Raster Analysis, DEM Processing, Hydrological Analysis, Land Use/Land Cover Analysis
- Data & Research: Data Analysis, Data Visualization, Research, Report Writing
- Other: Artificial Intelligence, Microsoft Office

CERTIFICATIONS & TRAINING

- Artificial Intelligence – Part-Time Course, Moringa School | 2026
- Python for AI – Free Training Programme | 2026
- Global Forest Resources Assessment 2025, FAO | 2025
- Maintaining and Restoring Wetlands in Agricultural Settings, FAO | 2026
- Diploma in Website Development Using HTML & CSS, Alison | 2025
- McKinsey Forward Program | 2024
- Certificate in Computer Packages, Kandara Togla Institute | 2022

LEADERSHIP & ACTIVITIES

Scrabble Club Team Captain – Karatina University **2021–2026**

- Led team members and coordinated weekly Scrabble tournaments and strategy sessions.
- Developed leadership, teamwork, communication, and decision-making skills.

GIS Club Member – Karatina University

- Participated in GIS projects involving spatial analysis, map-making, and data visualization.
- Collaborated with other members on geographic and technical projects.

Shamiri Institute / Youth Café Alumni

- Participated in youth-focused programmes involving group facilitation, communication, research, and personal development.

REFERENCES

Dr. Peter Ngugi
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