

PERSONAL INFORMATION



Albert Gachuki

17, Githunguri, Kiambu, 00900, Kenya

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albertgachuki02@gmail.com

Sex Male | Date of birth 30/07/2002 | Nationality Kenyan

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

GIS and Remote Sensing Specialist | Researcher | Web GIS Developer

WORK EXPERIENCE

(June 2025 – Present)

GIS Internship Githunguri Water And Sanitation Company

(January - April)2024

Industrial Attachment (Survey Of Kenya

Working with Survey Record
AutoCad Drawing Of Survey Plans
Topographic Mapping And Survey
Hydrographic Survey
Fieldwork and Subdivision Of Land
Photogrammetry
Geodesy

EDUCATION AND TRAINING

(2021 - 2025)

Dedan Kimathi University Of Technology, Nyeri

Bachelor Of Science in Geospatial Information Science And Remote Sensing

grade

SECOND CLASS HONOUR UPPER DIVISION

- Proficiency in GIS software: ArcGIS, QGIS
- Remote sensing analysis and satellite image interpretation
- Hydrological modeling and land use/land cover mapping
- Spatial data collection, processing, and visualization
- Database management (PostgreSQL with PostGIS)
- Report writing and technical documentation
- Strong analytical and problem-solving skills
- Effective communication and teamwork

(2017-2021)

Kiambu High School

Attained B plain

PERSONAL SKILLS

Mother tongue(s)

Kikuyu

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Kiswahili	C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Excellent written and verbal communication skills developed through academic research and presentations.

Organisational / managerial skills ▪ Strong leadership and teamwork skills demonstrated through group projects and internships.

Job-related skills ▪ GIS and remote sensing analysis.
 ▪ Hydrological and urban flood modeling.
 ▪ Web GIS development using Flask and GeoDjango.
 ▪ Statistical analysis and machine learning for spatial data

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient User	Proficient User	Basic User	Proficient User	Independent User

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Proficient in Python, JavaScript, SQL.
- Expert in ArcGIS, QGIS, Google Earth Engine.
- Experience with HEC-RAS and geospatial databases (PostGIS).

Other skills ▪ Research and technical writing.
 ▪ Money Management techniques

ADDITIONAL INFORMATION

Presentations SPATIAL TEMPORAL MODELLING OF EFFECTS OF STORM WATER
Projects DRAINAGE ON BUILT UP AREAS USING HEC-RAS AND LINEAR
Honours and awards REGRESSION MODEL
Certifications

- Awarded Position 3 in Year Of Study 2021/2022 With Certification
- Certificate in Humanitarian use of OSM data in OpenStreet Mapping
- Recommendation Certificate by Survey Of Kenya Ruaraka
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Referee

1. Dr. Mark Boitt
Director IGGRS, DeKUT
Tel: +254 722 994726
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2. Daniel Nyangweso
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