

Javan Meshack

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Geomatics Engineer & Geospatial Data Scientist | GIS Expert | Freelance Writer

Geomatics Engineer specializing in GIS, data science, remote sensing, and advanced spatial analysis. Since 2019, I have effectively combined technical expertise with strong communication skills through GIS freelancing and writing. Dual internships at Kapanga Lands Survey provided me with hands-on experience in mapping, land surveying, and topographical data collection. Holding a degree in Geomatics Engineering and GIS, I am also certified in Data Science and Software Development, enabling the integration of AI, data science methodologies, and software development into advanced geospatial solutions.

WORK EXPERIENCE

GIS Freelancer & Freelance Writer • May 2019 - Present Remote

A freelance writer and GIS freelancer on different platforms

Writer, Editor, and GIS Analyst • Part-time

- ✓ Provided GIS analysis and writing services to 300+ clients worldwide, delivering 500+ projects, including 100+ GIS analyses and 400+ research-based writing assignments across fields like healthcare, computer science, urban planning, and environmental studies.
- ✓ Created 50+ technical reports, thesis, and research articles with strict adherence to APA, MLA, and Harvard citation standards, along with 200+ data-driven presentations and visual reports for data-driven insights and decision-making.
- ✓ Maintained a 95%+ client satisfaction rate, collaborating with diverse clients across multiple regions to produce tailored, high-quality solutions that combine my research, software development, and GIS expertise with clear, engaging writing.

Kapanga Lands Survey • Jan-Apr 2022 & Jan-Apr 2023 Thika

Internship/Attachment • Internship

- ✓ Assisted in 50+ land surveys, collecting and analyzing topographical data to accurately determine boundaries for zoning, planning, and land management.
- ✓ Prepared 20+ detailed maps and technical reports, ensuring accuracy for regulatory compliance and decision-making.
- ✓ Operated and maintained different survey equipment, managing field data collection and facilitating seamless communication between field and office teams.

EDUCATION

Bachelor of Science in Geomatics Engineering and Geospatial Information Science

Jomo Kenyatta University of Agriculture and Technology • Sep 2018 - Jun 2024 Juja, Kiambu County

CERTIFICATIONS

Software Development • Feb 2025 - Present

Power Learn Project Africa

Data Analytics Essentials • Dec 2024 - Mar 2025

CISCO

Introduction to Data Science • Nov 2024 - Dec 2024

CISCO

Getting Started with CyberGIS • Oct 2024 - Nov 2024

Coursera

PERSONAL PROJECTS

Maximizing Healthcare Coverage in Bungoma County • Feb 2025 - Mar 2025

An Optimization Study of Specialized Services in Bungoma County: Maximal Coverage Location Problem

Automated Resume Customization Web Application • Jan 2025 - Mar 2025

Developed a Flask-based web app that automates resume customization using AI

Optimizing Locations of New Healthcare Facilities: Kiambu County Case Study • May - Dec 2023

Leveraged GIS and machine learning to optimize locations of new healthcare facilities in a case study of Kiambu County.

Creating an automated bidding bot • Jan 2023 - Feb 2023

Developed an automated bidding bot using JavaScript and a Chrome extension to optimize advertising bids on a freelance platform, which helped achieve 30% improvement in bid efficiency and project acquisition rates.

SKILLS

Technical Skills:

- **GIS Expertise:** *QGIS, ArcGIS Pro, Advanced Spatial Analysis, Network Analysis*
 - **Data collection & Management:** *Mapping, Cartography, Surveying, Database Management*
 - Advanced Microsoft Excel & Access Proficiency
- 3D Visualization & Photogrammetry
 - **Programming & Data Science:** *Python, Automation, R, SQL, JavaScript, AI Integration, REACT, Data Analysis, Software Development*
 - **Remote Sensing:** *Image Processing, Change Detection, Spectral Analysis, Feature Extraction*

Writing:

Research; Clarity; Conciseness; Familiarity with different citation formats like APA, MLA, Chicago & Harvard; Organization

Interests:

Automation & bot development; Environmental awareness; Healthcare accessibility; Natural resource management; Emerging GIS Technologies

Soft Skills:

Creativity, Interpersonal communication, Leadership, Problem-solving, Project Management, Teamwork, Attention to detail