

# ELSY KIMAKA

**BScIT | Data Analyst, Data Scientist, DB Manager, IT Support, AI Specialist**  
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Highly motivated, innovative, and results-oriented IT professional with a strong foundation in data analysis, software development, database management, and IT support. Proficient in Python, SQL, data visualization tools, and web development technologies.

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## EDUCATION

**Bachelor of Science in Information Technology | Zetech University, Kenya**

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## EXPERIENCE

**IT Trainer & AI Instructor | Code Yetu | Kenya**

August 2024 – Present

- Delivered training in AI, Python, and web development fundamentals to youth, with a focus on marginalized communities, resulting in an 85% course completion rate and successful certification of participants.
- Developed and implemented a comprehensive curriculum covering AI, Python, and web development to enhance technical skills and promote future employment opportunities in the tech industry.
- Mentored students on building practical projects, including websites and AI applications, to strengthen hands-on experience and problem-solving capabilities.

**IT Support Intern | Zetech University | Mang'u, Kenya**

August 2023 – October 2023

- Provided technical support across departments, resolving hardware, software, and network issues to ensure smooth operations.
- Maintained and optimized computer systems, network infrastructure, and security protocols, enhancing system performance.
- Installed and configured network cables, including crimping, to establish reliable connections.
- Contributed to IT policy development, improving efficiency and ensuring compliance with best practices.

**Co-Lead & UI/UX Lead, Google Developer Student Clubs (GDSC) | Zetech University | Ruiru, Kenya**

September 2022 - July 2023

- Organized meetups, presented on web development topics, and collaborated with universities on various tech projects.
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## SKILLS

- **Programming & Data Science:** Python, C, JavaScript, Pandas, NumPy
  - **Data Visualization & Analysis:** Power BI, Tableau, Matplotlib, Seaborn, Excel
  - **Web Development:** HTML, CSS, WordPress, PHP, React, Bootstrap, Node.js, Flask, Express, REST APIs
  - **Database Management:** SQL, MySQL, MongoDB
  - **IT Support & System Administration:** Linux administration, Windows OS, network troubleshooting, system configuration, hardware maintenance, and network cabling (including crimping)
  - **Problem-Solving and Critical Thinking**
  - **Teamwork and Communication**
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## PROJECTS

- **Portfolio Website:** Designed and developed a personal portfolio to showcase web development and IT skills.
  - **Smart Farm Optimal Crop Recommender:** Built an intelligent system to recommend optimal crops for farming based on environmental factors.
  - **Maisha Nordics Website:** Developed a responsive website for a nonprofit organization to increase their digital presence.
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## CERTIFICATIONS & COURSES

- **Microsoft Power BI for Beginners – Udemy(2024)**
- **Data Engineering Foundation: Spark/Hadoop/Kafka/MongoDB – Udemy (2024)**
- **Generative AI – Analytics Vidhya (2024)**
- **Microsoft SQL Server Integration Services (SSIS) Training– Udemy (2024)**
- **Machine Learning Certification for Beginners – Analytics Vidhya (2023)**
- **Data Analysis – Women Techsters Initiative (2023)**
- **Software Development– Women Techsters Initiative (2022)**