

Philip Okinyi

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## Languages

- Kenya Sign Language (Fluent)
- English (Fluent)
- Swahili (Fluent)
- Luo (Fluent)

## Professional Summary

A highly skilled programmer and data scientist with extensive experience in developing accessible applications and websites. Proven ability to conduct data analysis and provide actionable insights to support business decision-making. Passionate about promoting STEM education and empowering underrepresented groups in technology.

## Technical Skills

Programming Languages: Python, JavaScript, SQL, R

Web Development: HTML, CSS, React, Node.js, Django

Data Science & Analysis: Machine Learning, Statistical Analysis, Data Visualization

Tools & Technologies: Tableau, SPSS, Excel, TensorFlow, Keras

Databases: MySQL, PostgreSQL, MongoDB

Version Control: Git, GitHub

Other: Docker, AWS, Agile/Scrum methodologies

## **Professional Experience**

Freelancer- Self-Employed

2022 – Present

- Designed and developed multiple web applications for diverse clients, enhancing user experience and functionality.
- Built an app to aid the visually impaired, incorporating accessibility features and user feedback.
- Conducted data analysis, providing insights that drove client decisions and business strategies.
- Collaborated with clients to understand their requirements and deliver customized technical solutions.

Data Analyst - Data Research Kenya, Kenya

2017 – 2021

- Led data research and analysis projects, delivering detailed reports and presentations to stakeholders.
- Developed data visualization tools to present complex data clearly and effectively.

- Managed and maintained databases, ensuring data integrity and security.
- Worked with cross-functional teams to support data-driven decision-making.

TSC Teacher at Pwani Secondary School for the Deaf

- Teaching Deaf learners Mathematics and Chemistry

## **Education**

Masters in Computer Science - Ongoing

Pwani University - Bachelor of Education in Mathematics/Chemistry

2013 – 2017 - Graduated with Second Class Honors

Mbita High School

CGA Primary School

## **Certifications**

KCPE — 398/500 marks

KCSE — A-

Bachelor's Degree — Second Class Honors

## **Projects**

### **School Website Development**

- Developed a comprehensive website for a local school, improving online presence and communication with parents and students.

### **App for the Blind**

- Designed and built an app to assist visually impaired individuals with navigation and daily tasks, receiving positive user feedback for its usability and impact.

## **Professional Affiliations**

- Member, IBUKA Girls in STEM
- Member, Girls Opportunity Alliance (GOA)

## **Awards & Honors**

- IBUKA Girls Champion Leader
- GOA Champion Leader
- KESHO Kenya Member
- Young Scientist Kenya Champion

**References**

Sheila Luta

Director SNE – Ministry of Education

Nairobi – Kenya

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