

Risper Akinyi Otieno

Data Scientist

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Summary

Passionate Computer Science student with a strong foundation in Data Science, Machine Learning and AI. With a strong proficiency in Python, I thrive on using data to uncover insights, build intelligent systems and drive innovation. Recently, I developed a Titanic survival prediction model using machine learning techniques, showcasing my ability to clean data, engineer features, and train predictive algorithms. I’m excited to keep growing my skills through real-world projects that drive innovation and impact.

Education

University of Kabarak - B.Sc. Computer Science

- Relevant Coursework - Studying and understanding algorithms, programming, data structures, and the theoretical foundations of computing.

Experience

MAR 2025 – PRESENT

KamiLimu – Mentee (Full-time)

Industry Readiness and Personal Development:

- Selected as one of 40 mentees for KamiLimu’s Cohort 9, a prestigious mentorship program for tech students in Kenya. With the program having a 3.8% acceptance I was among the few 3.8% who were selected for the program
- Undergoing structured training in innovation, industry-readiness, and personal development through sessions with industry experts and mentors.
- Participating in technical workshops, peer learning, and personal branding exercises to prepare for tech careers. Also secured an interview opportunity through enhanced professional skills and shared resume writing and interview tips with peers, supporting KamiLimu’s community upskilling mission.

MAY 2024 – JUL 2024

Young Scientists Kenya – Student Volunteer (Apprenticeship)

STEM Education and Outreach:

- Volunteered to teach 30 high school students embedded systems programming using Raspberry Pi microcontrollers. This equipped them with early experience in programming skills, where most of them are likely to encounter programming at the university level.
- Delivered beginner-friendly sessions on Python and Scratch to enhance digital literacy and interest in STEM.
- Supported the Young Scientists Kenya (YSK) initiative to promote interest in STEM across Kenyan schools.

FEB 2024 – APR 2024

Safaricom Women In Technology – Education Mentor (Apprenticeship)

Mentorship and SDG-Focused Innovation:

- Mentored 5 primary school students from Manda Maweni Primary in developing tech solutions addressing real-life community challenges aligned with the UN Sustainable Development Goals (SDGs).
- Facilitated sessions on ideation, design thinking, and basic mobile app development (Thunkable App), equipping students with practical tools to transform ideas into working prototypes.
- Helped students create solutions focused on areas such as quality education, clean water, and gender equality, with 75% of students reporting increased confidence in pursuing STEM-related careers.
- Played a key role in empowering young women, encouraging them to explore tech as a means of driving social change and innovation within their communities.

Skills

- Technical skills: Predictive modelling, Supervise Machine learning, Version control, Deep learning, NLP.
- Non-Technical Skills: Leadership, Public Speaking, Mentorship.
- Languages: Python, Bash, Java, SQL.
- Frameworks: Pandas, Numpy, Dask, Matplotlib, Seaborn, Plotly, PySpark, Flask , Scikit-Learn.