

# ROLLINGS ONYANGO

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## PROFESSIONAL SUMMARY

Applied Machine Learning Engineer with hands-on Python, data analysis, and model evaluation expertise. Experienced in large-scale ML annotation, NLP, and quality evaluation projects. Background in Information Security with focus on responsible AI systems and data-driven outputs.

## WORK EXPERIENCE

### ML Evaluation & Annotation Specialist (Freelance)

Remote

2023 – Present

- Evaluated ML datasets across NLP, search relevance, and translation tasks; maintained 95%+ quality scores
- Reviewed 10,000+ samples and identified model errors to improve downstream performance
- Delivered structured feedback reports for training data and evaluation pipeline refinement

### IT & Security Attachment

Securepoint Limited, Nairobi

2024

- Supported cybersecurity operations with secure system configurations and incident analysis
- Participated in system audits applying security-first thinking relevant to ML quality workflows

## EDUCATION

### KCA University

BSc Applied Computing – Information Security & Forensics

Jan 2021 – Nov 2024

2nd Class Honours (Upper Division) • GPA: 3.81

**Coursework:** Data Structures & Algorithms, Python Programming, Statistics, Database Systems, Data Analysis, Machine Learning Fundamentals

## PROJECTS

### ML Quality Evaluation

- Annotated and evaluated 5,000+ NLP dataset samples using preference ranking and relevance assessment techniques

### Search Relevance System

- Assessed query-result alignment for ML-powered search and identified failure patterns to improve user satisfaction

### Text Classification Pipeline

- Built TF-IDF and Logistic Regression model achieving 85%+ F1-score through systematic feature engineering

## SKILLS

### Programming & Data

Python, NumPy, Pandas, SQL

### NLP & ML Evaluation

Data Annotation, Preference Ranking, Search Relevance, Translation Quality

### Machine Learning

Supervised Learning, Feature Engineering, Model Evaluation, Error Analysis

### Tools & Technologies

Scikit-learn, TensorFlow, Jupyter Notebook, Git

### Best Practices

Statistical Reasoning, Dataset Quality Audits, Responsible AI

### Languages

English, Swahili

*References available upon request*