

# DENIS KIPTUI

KENYA · ELDORET · +254739202721 / +254793785187 · [Github](#) ·

Aspiring AI professional with hands-on experience in data preprocessing, machine learning model development and technical research. Skilled in Python for data analysis and machine learning. Eager to contribute to impactful projects in a collaborative setting.

## EXPERIENCE

**March 2025 – June 2025**

### **MACHINE LEARNING ENGINEER APPRENTICE, JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY.**

- Co-developed AI-powered solutions, including:
  - AgriScan: an app predicting tomato diseases using image-based CNN model.
- Collected, cleaned, and labelled datasets for AI model training.
- Applied agile and human-centered design principles in project execution.
- Presented findings and technical reports to diverse stakeholders.

**January 2023 – December 2024**

### **TELECOMMUNICATIONS ENGINEERING INTERN, KENYA POWER AND LIGHTING COMPANY.**

- Participated in the collection and preprocessing of substation telemetry data for outage prediction and grid stability analysis.

## EDUCATION

**June 2025 - Present**

### **Data Analytics and Data Science, ALX (Holberton School) – Online (Part-Time)**

- Introduction to data and data analysis
- Spreadsheets – Google Sheets
- SQL
- Data Visualization - PowerBI
- Data manipulation
- Statistics
- Data modelling

**SEPTEMBER 2016 - SEPTEMBER 2022**

### **BACHELOR OF SCIENCE (ELECTRICAL AND ELECTRONIC ENGINEERING), UNIVERSITY OF NAIROBI**

- GPA: 3.6 | Second Class Honors (Upper Division)

- Studied data-relevant courses including:
  - Probability and Statistics – foundation for data analysis.
  - Engineering Mathematics I–III – calculus, linear algebra, and differential equations.

## SKILLS

- Machine Learning: Python, TensorFlow, PyTorch, Scikit-Learn, Numpy, Pandas, Seaborn
- Programming: Python.
- Spreadsheets – Google Sheets
- Analytical Skills: Research, data-driven problem-solving
- Tools: Jupyter, Git, Google Colab.
- Soft Skills: Team collaboration, technical writing, communication

## CERTIFICATIONS

- Deep Learning - NVIDIA. [View](#)
- Professional Foundations – ALX (Holberton School).
- Data Science – ALX (Ongoing – Part-Time)