

MUHUMUZA DEUS MUGENYI

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OBJECTIVE

Self-driven Machine Learning practitioner and Statistics student with hands-on experience in building and deploying end-to-end ML pipelines. Proven ability to manage the full project lifecycle, from data analysis and model training in PyTorch to containerization with Docker and automation with GitHub Actions. Creator of the "[ML Terminal](#)" YouTube channel, dedicated to making complex ML concepts accessible. Seeking to apply MLOps and data science skills to solve challenging real-world problems.

EDUCATION

Bachelor of Science in Statistics | Kyambogo University

2023 – 2026

PROJECTS

Machine Learning & Data Projects | Personal Projects + Kaggle

2024 – PRESENT

- Designed and trained an end-to-end plant disease detection system ([PlantVision](#)) using over 50k+ images
- Implemented a robust deployment pipeline, containerizing the model with Docker, and serving it via FastAPI and TorchServe for high-performance inference
- Participates in [Kaggle competitions](#) involving classification, regression and EDA
- Published Python [notebooks](#) showcasing data cleaning, visualization, and feature engineering

SKILLS

- **Programming:** Python
- **ML & Data Science Libraries:** PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **MLOps & Deployment:** Docker, MLflow, ONNX, TorchServe, FastAPI, GitHub Actions
- **Tools & Software:** Jupyter Notebooks, PowerBI, Git, Excel
- **Core Competencies:** Statistical Analysis (Regression, Hypothesis Testing), Exploratory Data Analysis (EDA), Model Training & Optimization, Data Visualization, CI/CD Automation

ACTIVITIES

YouTube Creator @ ML Terminal

Creating animated videos that make machine learning and statistics understandable to a wide audience

Open-Source Contributor (Private Projects)

Maintaining well-documented projects on [GitHub](#) and sharing reproducible ML workflows