TWARIK HAROUNA MUGUMYA

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EXPERIENCE

Upwork Global Inc. — Remote
Data Science Analyst — *Oct 2024 - Present*
- **Data Analysis**: Engage in data gathering, cleaning, visualization
- **Machine Learning modeling**: Develop and implement ML models for clients
- **Tailored solutions**: Collaborate with clients to understand their data needs

Amazon UK Services Ltd — London, UK
Sortation Associate — *Nov 2022 - Aug 2024*

Andela Inc. — New York, USA (Remote)
Full-Stack Engineer — *Jun 2021- Dec 2022*
- **Software development**: Developed applications for data-driven report generation
- **Databases**: Executed targeted BigQuery queries to extract insights for data-driven reporting
- **Automation**: Automated reporting processes and procedures with the goal of driving revenue.

Hamoye AI Labs — Nigeria (Remote)
Data Science Intern (Data Engineering & MLOps) — *July 2020 - Dec 2020*
- **Data Harmonization**: collected, wrangled, preprocessed, analyzed, and modeled data
- **Pipelining**: Built, and maintained data pipelines and processing systems.

CNS Technologies (U) Ltd — Kampala, Uganda
Business Development Manager & Support Engineer — *Jan 2014 - July 2018*

EDUCATION

Carnegie Mellon University — **Pittsburgh, PA, USA**
Master of Science in Electrical and Computer Engineering — *May. 2019*
- **Specialization**: Data Science
- **Relevant coursework**: Big Data Science, Data Analytics, Data Inference & Applied Machine Learning, Information Security, Wireless Networks, Network Security

Islamic University of Technology — Dhaka, Bangladesh
BSc. in Technical Education in Electrical and Electronic Engineering — *Oct. 2013*

TRAINING

- **Building Next-Gen LLM Apps**: Andela AI/ML Upskilling Program on LangChain, Pinecone & OpenAI
- **ML for Earth Observation**: Bootcamp by GIZ, FAIR FORWARD, Radiant Earth & Makerere University

SKILLS

- **Programming**: Python, R, SQL, MATLAB, HTML, CSS
- **Tools**: Apache Airflow, Kubeflow, AWS, PostgreSQL, MySQL, MongoDB, Tableau
- **Soft Skills**: Strong communication, leadership, and interpersonal skills

PROJECTS

- **ETL pipeline**: Built an ETL Pipeline using Apache airflow to integrate household surveys, satellite imagery, and other spatial data (from repositories and API) into a data warehouse.
- **Data pipeline for Malware Detection**: Collaborated with researchers to design and implement a data pipeline to collect and process malware data. Developed a predictive model to analyse and predict Malware behaviour
- **Plant Diseases Detection**: Developed a PyTorch model (using transfer learning) for plant disease detection and classification from leaves. Created a REST-API with django.