



# INDABAX UGANDA CONFERENCE 2024

**Theme:** *"Ethical AI horizons: Navigating the Impact and Future of AI across diverse sectors."*



Monday, 29 July - Friday, 2nd August 2024



Silver Springs Hotel, Bugolobi (last 2 days)

# DAY ONE – MONDAY 29TH JULY, 2024

## *Tutorials & Practicals: Introduction to AI & Machine Learning*

09:00 – 10:30

Python Fundamentals for Data Science ~ **Rose Bunmi Akinremi**

10:30 – 11:15

**COFFEE BREAK**

11:20 – 12:00

**Introduction to Machine Learning:** Basics, types of machine learning (supervised, unsupervised, reinforcement learning), and key concepts.  
~ **Isaac Mukonyezi**

12:00 – 12:45

Anomaly Detection Using Isolation Forest  
~ **Claire Babirye**

12:45 – 14:00

**LUNCH BREAK & NETWORKING**

14:00 PM – 14:45

**Reinforcement Learning:** Basics, Q-learning, policy gradients, and applications.  
~ **Geraud Nangue Tasse**

14:45 – 15:30

**Computer Vision:** Image preprocessing, convolutional neural networks, object detection, and image generation. ~ **Tusubira Jeremy**

15:30 – 16:00

**COFFE BREAK**

16:45 – 17:00

**Natural Language Processing (NLP):** Text preprocessing, word embeddings, sequence models, and transformers (e.g., BERT, GPT).  
~ **Jonathan Mukiibi**

16:45 – 17:00

Virtual Expert Roundtable and closing remarks  
Practical applications of AI