

NICANOR MAYUMU

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Education

Central South University

PhD in Computer Science and Engineering

Sep. 2021 – July 2025

Changsha, China

University of Ghana

MSc in Mathematics

June. 2018 – July 2019

Accra, Ghana

University of Lubumbashi

BSc in Mathematics and Computer Science(Honours)

Sept. 2009 – July 2015

Lubumbashi, DR. Congo

Relevant Coursework

- Algorithm and Complexity
- Modern Computer Technology
- Frontier of Computer Science
- Artificial Intelligence
- Advanced Big Data
- Chinese

Experience

E-TECH DRC

May 2023 – August 2024

Full Stack Developer | www.lesdealers.com

Lubumbashi, Democratic Republic of Congo

- Developed and maintained the backend of the e-commerce platform using Laravel, ensuring a robust and scalable architecture capable of handling high traffic and data loads.
- Designed and implemented a dynamic frontend UI using Material Design JavaScript, providing users with an intuitive and responsive shopping experience.
- Integrated a mobile payment gateway tailored for Congolese users, enabling transactions without the need for a Visa card, thus increasing accessibility for a broader audience.
- Collaborated with cross-functional teams to optimize the platform's performance, enhancing the overall user experience and boosting customer retention.

Projects

IBM Advanced Data Science Capstone | [Code here.](#)

November 2020

- Developed a value prediction system for the Santander Group's Kaggle competition, focusing on enhancing personalized financial services through advanced machine learning techniques.
- Applied regression algorithms to predict transaction values, enabling the bank to offer more personalized and timely services to its customers.
- Gained hands-on experience with parallel programming, model validation, and the implementation of a real-world use case in financial services.

Transaction Management GUI | *Java, Eclipse, JavaFX*

October 2020

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Udacity Deep learning Nano Program|Sentiment Analysis Web App |[Code here.](#)

January 2020

- Developed a Recurrent Neural Network (RNN) model to analyze and determine the sentiment of movie reviews using the IMDB dataset.
- Deployed the trained model on Amazon's SageMaker platform to facilitate scalable and efficient sentiment analysis.
- Built and deployed a user-friendly web application to interact with the deployed model, enabling real-time sentiment analysis of movie reviews.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Developer Tools: AWS, Android Studio, Eclipse, Google Cloud Platform, VS Code

Technologies/Frameworks: Linux, GitHub,

Leadership / Extracurricular

Deep Learning Indaba

2020 – Present

Representative for DR Congo

Deep Learning Indaba

- Organized and coordinated local events to promote AI and machine learning education in DR Congo.
- Built connections with local universities and tech communities to encourage participation in global AI research and development.
- Worked with global AI leaders to foster an inclusive and accessible learning environment for emerging AI researchers in Africa.