

## **MPHO LORRAINE NDOU**

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### **PROFESSIONAL SUMMARY**

Passionate Full Stack Developer and aspiring AI Engineer with a strong foundation in Python, machine learning, and web development. Currently pursuing an LLB through the University of South Africa, blending legal knowledge with emerging technologies to build impactful, intelligent systems. Experienced in developing AI chatbots, sentiment dashboards, and responsive websites. Highly driven, adaptable, and eager to contribute to innovation at the intersection of law and technology.

### **SKILLS**

Technical Skills

Languages: Python, JavaScript, HTML, CSS

Frameworks/Libraries: Tailwind CSS, Streamlit, scikit-learn, LangChain, Hugging Face

Tools & Platforms: GitHub, Google Colab, VS Code, Teachable Machine

AI/ML: Prompt Engineering, Sentiment Analysis, Image Classification, Chatbot Development

Soft Skills: Communication, Problem Solving, Team Collaboration, Self-Learning, Adaptability

### **PROJECTS & DEMOS**

💎 LearnMate AI – AI Learning Companion

A personalized chatbot tutor designed to support student queries across multiple topics.

🌐 [Live Demo](https://learnmate-ai-1.onrender.com/ )

#### ◆ Cohere Chatbot Web App

A streamlined chatbot app using Cohere for natural conversations.

🌐 [Live Demo]( <https://cohere-chatbot-t4mr.vercel.app/> )

#### ◆ Sentiment Dashboard (Streamlit)

Analyzes sentiment in text input using ML techniques and displays results visually.

🌐 [Live Demo]( <https://sentiment-dashboard-jmzufaa88feuna8v6ujtx4.streamlit.app/> )

#### ◆ AI Quiz Ultimate

An interactive AI-based quiz app that tests general knowledge with scoring.

🌐 [Live Demo]( <https://mpholorriey25.github.io/ai-quiz-ultimate/> )

### **EDUCATION & CERTIFICATIONS**

#### 🎓 University of South Africa (UNISA)

Bachelor of Laws (LLB) – In Progress

#### 🎓 Sekano Ntoane High School

Matric Certificate

#### 🎓 Coursera Certifications

AI For Everyone by Andrew Ng

[View Certificate]( <https://coursera.org/share/19d8af4901b3a31e8fob3df9c431358c> )

Python for Everybody Specialization

[View Certificate]  
( <https://www.coursera.org/account/accomplishments/verify/8TIOOB1DT3T6> )

#### 🎓 Other Certifications

AWS Certified Cloud Practitioner

Cisco Certified Support Technician – Cybersecurity

Microsoft Digital Literacy Certificate

## **WORK EXPERIENCE**

### **AI Intern - CAPACITI**

Built multiple projects integrating AI models, data visualization tools, and web development frameworks, including chatbots, dashboards, and learning tools.

Gained hands-on experience with tools like Streamlit, Vercel, Render, LangChain, OpenRouter, and Hugging Face.

Acquired foundational and intermediate skills in HTML, CSS, JavaScript, Python, and emerging AI technologies including machine learning, NLP, and generative AI.

📅 April 2025 (Present)

### **Technical Support Intern – Praesignis**

📅 Sept 2021 – Aug 2022

Provided Tier 1 support for software and systems

Assisted with troubleshooting cloud and desktop issues

Documented and resolved user requests

### **Customer Support Trainee – Constantia Insurance Company**

📅 Sept 2019 – Aug 2020

Supported clients with claims and policy queries

Gained exposure to regulatory processes and customer service

### **Packer – Golden Fresh**

📅 Mar 2018 – Jul 2018

Ensured quality control and packaging of goods

Maintained fast-paced assembly line productivity

## **PERSONAL INFO**

Nationality: South African

Date of Birth: 25 June 1999

Languages: Tshivenda (Home), English, Sesotho, Tsonga, Zulu, Tswana

**CAREER GOAL**

To become a skilled AI/ML developer who leverages both legal expertise and technology to solve social and industry-specific problems — especially in the justice, education, and public sectors. I aspire to drive innovation that is inclusive, ethical, and impactful.