

Thoko Sindiswa Xulu

Graduate in Advanced Diploma in ICT | Aspiring AI & Machine Learning Practitioner

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PROFESSIONAL SUMMARY

Driven ICT graduate with hands-on AI bootcamp experience, specializing in practical AI projects and ethical application. Eager to leverage skills in supervised learning, NLP, and generative AI to contribute to a forward-thinking organization in an entry-level AI/ML or data analytics role.

TECHNICAL SKILLS

Programming & Data:

Python · SQL · Data preprocessing · Exploratory Data Analysis (EDA) · Feature engineering

Artificial Intelligence & Machine Learning:

Supervised learning · Unsupervised learning · Generative AI · Prompt engineering · Sentiment analysis · Model evaluation · Bias & fairness analysis

Tools & Platforms:

OpenAI / ChatGPT APIs · Hugging Face · Dialogflow · Teachable Machine · VaderSentiment · AWS Comprehend · IBM Fairness 360

Development & Deployment:

Streamlit · Gradio · Firebase Hosting · Git & GitHub · Agile Scrum methodology

PROFESSIONAL SKILLS

Analytical problem-solving · Technical documentation · Clear communication of complex concepts · Ethical AI awareness · Team collaboration · Time management · Continuous learning

EDUCATION

Advanced Diploma in Information and Communication Technology (ICT)

Graduate

AI PROJECT EXPERIENCE

Capstone Project – End-to-End AI Solution

- Built a complete AI-powered application integrating AI APIs, data processing, and user interface.

- Deployed a working prototype and documented system architecture.

Sentiment Analysis Dashboard

- Developed an interactive dashboard comparing NLP sentiment models.
- Evaluated performance using VaderSentiment and AWS Comprehend.

AI Resume Builder

- Created a GPT-powered resume generator with multiple templates.
- Implemented prompt engineering and analyzed API limitations.

Custom Content Generator

- Built a generative AI tool focused on prompt testing and content quality.

Sector-Specific AI Prototype

- Designed an industry-focused AI solution and evaluated ethical risks and bias.

AI Concept Chatbot & Bias Audit

- Developed an AI chatbot explaining AI fundamentals.
- Conducted fairness analysis using IBM Fairness 360 and Google What-If Tool.

CAREER OBJECTIVE

Seeking an entry-level position in AI/ML, data analysis, or applied AI where I can apply my practical project experience and passion for real-world problem-solving. Committed to developing ethical, impactful AI solutions and contributing to a collaborative team environment.