

# Thoko Sindiswa Xulu

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

 thokosindiswa@gmail.com  076 069 4376  South Africa  H4K1LO  
 [linkedin.com/in/sindiswa-x...](https://linkedin.com/in/sindiswa-x...)

## 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.