

Bandile Malaza

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PROFESSIONAL SUMMARY

I am a passionate and impact-driven developer with a deep focus on data science, artificial intelligence and web development. I specialize in building intelligent systems, predictive models, and web applications that solve real-world problems across health, legal, telecom and other domains. As a System Developer Consultant, AI Engineer Intern, Zindi Ambassador, Managing Partner, and Microsoft Responsible AI Workshop Coach, I have led and contributed to high-impact projects in legal, health, and telecom sectors. Recognized with top awards at SATNAC and Polyhack, I've designed and deployed machine learning models, NLP tools, full-stack web applications and websites that drive measurable results. I am committed to ethical and inclusive AI development, combining technical expertise with leadership and communication skills to make data-driven technologies accessible and impactful. I collaborate across teams to turn ideas into impactful, user-centered solutions.

EXPERIENCE

Software Developer Consultant | July 2024 - Feb 2025

S.V. Mdladla and Associates

- Developed a full-stack digital workflow system with AI-powered features for legal case management, billing, and drafting..
- Developed the firm's official website, improving online visibility and client engagement.

Microsoft Responsible AI Coach | February 2024 - June 2024

Microsoft

- Delivered workshops on ethical AI practices including prompt engineering, Azure Content Safety, and risk mitigation.
- Educated developers on preventing AI jailbreaking and ensuring fairness in AI deployments.

AI Engineer Intern | November 2023 - December 2024

Pinaco & CO.

- Designed and deployed an AI-powered startup ranking algorithm.
- Applied ML techniques to optimize evaluation metrics and automate ranking workflows.

Ambassador | October 2023 - October 2024

Zindi

- Advocated for data science within the university and broader community through workshops and events.
- Mentored peers on AI career paths, data science tools, and project-based learning.

Web Developer | July 2023 - September 2023

University of Eswatini

- Built a student information portal and created step-by-step guides for university ICT services.
- Improved user experience for students accessing digital resources.

Managing Partner | February 2021 - Present

Swazigist (Part-time)

- Spearheaded business development and client acquisition for a digital services startup.
- Managed supplier relationships, optimized operations, and led client consultations.

TECHNICAL SKILLS

Programming & Tools: Python, JavaScript, HTML, CSS, MySQL

Frameworks & Libraries: Flask, FastAPI, Laravel, React, Scikit-learn, PyTorch, TensorFlow, Keras

AI & Emerging Tech: Machine Learning, Deep Learning, NLP, Responsible AI, Agentic AI

Specializations: Data Analytics, Predictive Modeling, Web Development, AI for Social Impact

Professional Skills: Communication, Public Speaking, Leadership, Problem Solving

EDUCATION

Undergraduate, BSc In Information Technology

University of Eswatini (Expected 2025)

PROFESSIONAL HIGHLIGHTS

- Award of Excellence, SATNAC 2024, October 2024, Recognized for developing an Advanced Telecom sales Intelligent Fraud Detection System that combines Machine learning, Big data analytics, Explainable AI and LLMs for Real Time Fraud Detection.
 - Most Innovative Award, Polyhack 2023, August 2023, Developed a machine learning model to detect and paraphrase harmful social media content.
 - Most Innovative Solution Award, SATNAC 2023, July 2023, Enhancing medium-range global weather forecasting accuracy using deep learning and Numerical Weather Prediction Systems.
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PROJECTS

- SizaTelco99 - Intelligent Fraud Detection System that combines Machine learning, Big data analytics, Explainable AI and LLMs for Real Time Fraud Detection (Fraud categories included **Usage fraud, Credit Abuse, Device Fraud, SIM Card Fraud** and **Subscription Fraud.**)
- Predictive Analytics, LLMs and RAG driven support for Diabetes and Heart Disease in Eswatini.
- Hate speech and offensive language detection in social media using machine learning.
- Cryptojacking detection using Machine Learning.
- Malware detection using Machine Learning.
- Maize leaf diseases detection using Convolutional Neural Networks (CNN).
- Smart-blog generator using Gemini and wikipedia.

CERTIFICATIONS

- Data Science Foundations, Level 1 - IBM
 - Data Science Methodologies - IBM
 - Data Science Tools - IBM
 - The Art of Prompt Engineering - Cognitive Class
 - PolyHack 2023: Most Innovative Award - Polyhack
 - SATNAC 2023 Best Innovative Solution - SATNAC
 - Azure Responsible AI Workshop Coach - Microsoft
 - Introduction to Generative AI - Google
 - Fundamentals of digital marketing - Google
 - EF SET English Certificate 72/100 (C2 Proficient) - EF Standard English Test (EF SET)
 - Teaching English as a Foreign Language - Teacher Record
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LANGUAGE

- English - Proficient(C2)
 - Siswati - Fluent
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REFERENCES

- Available upon request