**Thandokuhle Brian Msane**

Linkedin**:** <https://www.linkedin.com/in/brianmsane/> Zindi: <https://zindi.africa/users/uno>

**SKILLS SUMMARY**

**Languages** Python, C/C++, Java, SQL

**ML & Data Science** Scikit Learn, Tensorflow, Pytorch, HuggingFace, LangChain

**AI Concepts** NLP, Recurrent neural networks, transformer, adapters, Supervised learning

**DevOps**  CI/CD, Azure, AWS, Docker, Kubernetes, Github Actions

**Important** Data structures and algorithms, SDLC

**Soft skills** Critical-thinking, Problem-solving, Punctual

**PUBLICATIONS**

siSwatiSent: siSwati Sentiment Analysis Dataset **Main Author and researcher**

* Data gathering, annotation, visualization
* Train machine and deep learning algorithms, fine-tuning, and optimization.
* Write an academic paper and poster under the supervision of [Professor Hatem Haddad](https://www.linkedin.com/in/hatemhaddad/) (presented in Deep Learning Indaba 2024)

**EXPERIENCE**

**IndabaX AI Club Eswatini** University of *Eswatini* 2022 - Present

**President**

* Lead committee and key decision making
* Organize events and ask for presenters in the AI and ML industry

**Etihuku Technologies** *JHB, South Africa (Remote)* 02 April 2024 – 31 Aug 2024

**Intern Data Scientist**

* Developed Thola chatbot for reporting missing people in South Africa
* Worked on Eti-Intelligence projects

**Nubi AI**  *JHB*, *Cape Town, South Africa (Remote)* Sept – Dec 2024

**AI Engineer**

* LLM development and Agentic Applications
* Use Retrieval Augmented Generation Application in Finance

**CONFERENCES**

[**International Joint Conference on Artificial Intelligence**](https://www.ijcai.org/) *Macau, China* 19 -23 Aug - 2023

[**CapeKR 2024**](https://cape-kr.org/) *Cape Town, South Africa* 29 Jan– 02 Feb 2024

**Cyber9/12 Strategy 2024** *Cape Town, South Africa* 7-9 October 2024

**IndabaX Eswatini Workshops** *Ezulwini, Eswatini* 2022, 2023, 2024

**EDUCATION**

[**University of Eswatini**](https://www.uneswa.ac.sz) November 2021 – Present

**Bachelor of Science in Information Technology**