Thandokuhle Brian Msane

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EDUCATION

University of Eswatini November 2021 - Present

Bachelor of Science in Information Technology

SKILLS

Languages Python, C/C++, Java, JavaScript, TypeScript

Web Development HTML, CSS, Bootstrap, React

Frameworks FastAPI, REST API, HTTP, GraphQL, NodeJS, Express

Databases PostgreSQL, MySQL, MongoDB, Vector Databases, MS Access

Machine, deep learning Tensorflow, Pytorch, Transformers, HuggingFace, AutoGen, LangChain

DevOps CI/CD, Azure, AWS, Docker, Kubernetes, Github Action, SCRUM

Soft skills Lead , Team player, Professionalism, Good communicator

EXPERIENCE

IndabaX AI Club Eswatini October 2022 - Present

President

* Present topical AI topics
* Organize events
* Lead committee and key decision making

Etihuku Technologies, South Africa (Virtual) April 2024 – August 2024

Intern Data Scientist

* Developed Thola chatbot for reporting missing people in South Africa
* Developed Interactive dashboard
* Worked on Eti-Intelligence projects like violence detection, RAG, OCR,
* Python Backend Developer

Nubi AI September 2024 – December 2024

AI Engineer

* Backend LLM development
* Research on AI emerging trends
* Retrieval Augmented Generation

CONFERENCES

IJCAI 2023

CapeKR 2024

Cyber9/12 Strategy

IndabaX Workshop, 2022, 2023, 2024

COMPETITIONS MADE

PROJECTS

Special Academe Services

Chief Technology Officer

* Oversee the implementation of the project
* Led the development team
* Communicate with technical and non-technical stakeholders
* Requirements gathering

siSwati Sentiment Analysis

Main Author and research

* Gathered data from
* Data annotation with Philile Mthethwa
* Train machine and deep learning algorithms
* Write an academic paper under the supervision of Professor Hatem Haddad (presented in Deep Learning Indaba 2024)