

MBANGULA LAMECK

AMUGONGO

AI/ML RESEARCHER

PROFILE

PhD in applied image-based data mining to personalise treatment for lung cancer patients. I apply cutting-edge methodologies, from classical AI/ML to advanced techniques such as Generative AI for process optimisation and create impactful solutions. I have a proven track record of leveraging advanced analytics to deliver meaningful business outcomes. My expertise spans large-scale data analysis, predictive modeling, and the implementation of innovative data-driven solutions.

WORK EXPERIENCE

- Boehringer Ingelheim** 2023 - PRESENT
AI/ML Researcher
 - Identify, implement and evaluate innovative AI/ML methods
 - Leverage GenAI for process optimisation
 - Retrieval Augmented Generation Applications with LLMs
 - Ensure responsible design, development and use of AI
 - Knowledge graphs construction with LLMs
 - Evaluate the performance of LLMs for various clinical tasks
 - Supervise students and interns
- Technical University Munich** 2022-203
Associate Researcher
 - Interdisciplinary research in ethics in AI
 - Investigating the ethical aspects related to trustworthy AI
 - Comprehensively address ethical challenges arising at the interface of technology and human values
- Namibia University of Science & Technology** 2021 - 2022
Lecturer
 - Develop the curriculum for Data Science, including AI
 - Develop and deliver lectures on AI, Data Science, and Programming
 - Design and administer student assessments
 - Conduct innovative research and supervise student research
 - Foster research collaboration with industry partners
- Telecom Namibia** 2014 - 2018
Business Intelligence Analyst
 - Develop APEX applications that interface
 - Conduct data analysis to identify and interpret GSM trends
 - Design and implement interfaces to integrate various systems effectively
 - Maintain business intelligence tools, including dashboards

REFERENCE

Kasper Jensen

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CONTACT

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<https://mbangula.github.io/index.html>

EDUCATION

2018 - 2021

THE UNIVERSITY OF MANCHESTER

- Doctor of Philosophy: Cancer Sciences

2015 - 2017

NUST - NAMIBIA

- Master of Computer Science

2015 - 2017

POLYTECHNIC OF NAMIBIA

- Bachelor of IT in Software Engineering

SKILLS

- Responsible AI
- Programming (JAVA, PYTHON, R, MATLAB)
- AI Frameworks: Tensorflow, Pytorch
- Design Thinking
- Project Management
- Interpersonal skills

LANGUAGES

- English (Fluent)
- Afrikaans (Advanced)
- German (Basics)