

OMPHILE MOSINGATHI

LECTURER | SOFTWARE/AI ENGINEER & DATA SCIENTIST | PYTHON,
JAVA, SQL, AZURE & AWS ENTHUSIAST

CONTACT

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Gauteng, South Africa

<https://github.com/OmphileMia10>

SKILLS

- Languages:** Python, SQL, Java, R
- AI/ML Tools:** Scikit-learn, Pandas, NumPy
- Microsoft Stack:** Power Platform, Copilot (Intermediate), Azure AI Studio (Intermediate)
- Version Control:** Git
- Web Dev:** HTML, CSS, JavaScript, PHP
- Tools:** Android Studio, MySQL
- Development Methodologies:** Agile, SDLC.

CERTIFICATIONS

- Microsoft AI-900: Azure AI Fundamentals (in progress)
- Intro to Power Platform (Coursera/Microsoft Learn)
- Data Science with Python – IBM (Coursera)

REFERENCE

Aubrey Kamalizeni

Former Team Lead

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PROFILE

I am a BSc Honours graduate in Data Science with a solid foundation in Python, Java, R, SQL, and applied data analysis. My experience spans both software development and lecturing, along with active participation in a systems development learnership focused on web and backend technologies. I'm eager to apply my passion for AI and machine learning to real-world solutions using Microsoft AI tools such as Azure AI Foundry, Copilot Studio, and the Power Platform. I'm a fast learner, a collaborative team player, and deeply committed to leveraging AI to address real business challenges.

WORK EXPERIENCE

BSc IT Lecturer

2023 - PRESENT

Eduvos, Bedfordview

- Deliver lectures and practical sessions on Information Systems, Data Science, and Programming modules to undergraduate students.
- Design course material, prepare assessments, and ensure curriculum aligns with industry standards, including AI and emerging tech trends.
- Incorporate data-driven examples and AI tools (e.g. Python, SQL, Excel) into teaching to foster real-world application of theoretical concepts.
- Guide students in project-based learning focused on digital solutions, process automation, and basic machine learning applications.
- Collaborate with faculty to continuously update learning materials and integrate modern technologies such as cloud computing and Power Platform.
- Mentor students in career development and academic research, focusing on applied computing and digital transformation themes.

Systems Development Learnership (Remote)

2022 - 2022

Google Africa Developer Program

- Engaged in intensive training on software development using Python, JavaScript, HTML/CSS, PHP, SQL, and C# for web and backend applications.
- Designed and built small-scale CRUD apps and dynamic websites with team collaboration using Git, Agile boards (e.g. Trello), and version control best practices.
- Developed foundational understanding of databases and system automation, integrating form-based user input with MySQL data stores.
- Completed modules in cybersecurity, cloud computing, and AI fundamentals, including exposure to Power Platform and Copilot Studio tutorials.
- Built a portfolio project simulating a stock-tracking system using Python and pandas, showcasing basic data analysis and reporting.

Computer Facilitator

2020-2022

Lyttelton Primary School / The Click Foundation

- Maintained computer labs, installed educational software, and ensured secure network environments by following basic cybersecurity protocols.
- Assisted with setting up computer hardware/software, providing technical support to both learners and staff.
- Promoted safe internet practices and taught basic computer skills including typing, document editing, and web browsing, indirectly fostering interest in STEM fields.
- Introduced students to entry-level coding tools such as Scratch and typing software, sparking curiosity in tech and data.

EDUCATION

BSc IT Honours (Data Science)

2023- 2023

Pearson Institute | Eduvos

Average: 75% (Cum Laude)

BSc Information Technology

2019- 2022

Pearson Institute | Eduvos

Average: 71%