

MAHAGERA KISIKA

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PROFESSIONAL SUMMARY

Highly motivated ICT professional with a strong foundation in software development, data analytics, data science, and mobile application development and teaching. Holds a Master's degree in Computer Science and a Bachelor's degree in Multimedia Information Technology & Animation. Skilled in Python, Flutter, and machine learning, with hands-on experience in system design, data visualization, and AI-based solutions. Passionate about solving real-world problems using technology and eager to contribute to software engineering, data science, or AI-driven projects.

EDUCATION BACKGROUND

Master of Science in Computer Science (2023 – 2025)
Kalinga Institute of Industrial Technology (Deemed to be University), Bhubaneswar, India.

Bachelor of Science in Multimedia Information Technology & Animation (2018 – 2021)
The University of Dodoma, Tanzania.

Advanced Certificate of Secondary Education (2016 – 2018)
Mahiwa High School, Lindi, Tanzania.

PROFESSIONAL EXPERIENCE

Field System Design

University of Dodoma – ICT Department | 2021

- Assisted in system design and analysis of internal software solutions.
- Modelled database schemas and planned user interfaces.
- Developed skills in MySQL, HTML, CSS, and system documentation.

Mobile Developer (Volunteer)

Geita Company Limited – ICT Department | 2022-2023

- Designed and developed cross-platform mobile applications using Flutter & Dart.
- Integrated REST APIs and Firebase for backend data storage and retrieval.
- Created system architecture diagrams, DFDs, and ERDs for documentation.
- Ensured smooth UI/UX design and responsive layouts.

Data Analytics Intern

Kalinga Institute of Industrial Technology – School of Computer Applications | 2024

- Collected, cleaned, and analyzed academic datasets using Python (Pandas, NumPy, and , Scikit-learn).
- Built visual dashboards in Power BI and presented insights to stakeholders.
- Developed skills in EDA, data visualization, and reporting.

ICT Teacher

Nui high school 2022

- Developed and delivered ICT curriculum for student
- Implemented innovative teaching methods to improve student engagement

Data Science and Machine Learning Trainee Dec 2024–Aug 2025

Omdena

- Participated in collaborative AI projects addressing real-world problems
- Developed machine learning models and data analysis pipeline

TECHINICAL SKILLS

- **Programming:** Python, Java, JavaScript, Dart.
- **Data Science & ML:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, NLP, Data Visualization.
- **Databases:** MySQL, NoSQL.
- **Mobile Development:** Flutter (Android & iOS), Firebase, Django Frameworks.
- **Tools:** Jupiter, Notebook, VS Code, Git, Power BI, Android studio.
- **Computer maintenance:** Troubleshooting, Software & Hardware .
- **Languages:** English (Fluent), Kiswahili (Native).
- **Data Visualization:** Power BI, Python, Tableau.

TRAININGS AND CERTIFICATES

- **Generative AI Applications** – Coursera (2024)
- **Generative AI Prompt Engineering (Basics & ChatGPT)** – Coursera (2024)
- **Complete Microsoft SQL Server Master Class** – Udemy (2025)
- **Power BI Master class** – Udemy (2025)
- **Natural Language Processing (NLP)** – Udemy (2025)
- **Flutter Mobile application** Udemy (2025)
- **EACOP MOOC**, A digital trainings path on mathematics, science, and oil industry(2023)

PROJECTS

AI-Driven Cocoa Disease Detection & Prediction

- Developed a deep learning model with Tensor Flow to classify cocoa plant diseases with 99.99% accuracy.
- Implemented image pre-processing, augmentation, and optimization techniques.

E-Commerce Mobile App (Flipchart-Inspired)

- Built a Flutter-based cross-platform e-commerce application.
- Integrated authentication, product browsing, and secure payment gateway.
- Connected app to Firebase and Restful APIs for real-time data.

REFERENCES

- Erum Afzal, Data Science and Machine Learning Mentor, Omdena
Email: erum@omdena.com Phone: +92 3455137842.
- Madam Ruth Nathaniel, Lecturer, University of Dodoma.
Email: ruthnathaniel@gmail.com, Phone: +255 69712924.
- Dr. Satya Ranjan Dash, Dean, School of Computer Applications, KIIT University, Bhubaneswar
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DECLARATION:

I am MAHAGERA KISIKA here by certify that the information contained in this document correctly Describes my qualification.