ZEPHANIA REUBEN

Machine Intelligence Specialist

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EXPERIENCE, WORKSHOPS, & CONFERENCES

Research Assistant
AI4D Multidisciplinary Research Lab
📅 Oct 2023 - Present   📍 Remote

Machine Learning Educator
Eastern Africa Statistical Training Center
📅 Sep 2023   📍 Dar es Salaam, Tanzania

Research Assistant
AI4D Multidisciplinary Research Lab
📅 Mar 2023 - Jun 2023   📍 Remote

Talk on LLMs Fine Tuning
Generative AI Workshop
📅 July 2023   📍 Dar es Salaam, Tanzania

Data Scientist
Dawa Mkononi
📅 Feb 2023 - Apr 2023   📍 Dar es Salaam, Tanzania

Research Assistant
AI4D Multidisciplinary Research Lab
📅 Dec 2022 - Mar 2023   📍 Dodoma, Tanzania

Software Developer
Beem Africa
📅 Jul 2021 - Mar 2022   📍 Dar es Salaam, Tanzania

Machine Learning Educator
AI4D Multidisciplinary Research Lab
📅 Jul 2023   📍 Dodoma, Tanzania

Talk on Predicting Fake News Using Graph Convolutional Neural Networks(GCN)
PyCon Tanzania
📅 Dec 2022   📍 Zanzibar, Tanzania

Machine Learning Educator
AI4D Multidisciplinary Research Lab
📅 Jul 2022   📍 Dodoma, Tanzania

Talk on Natural Language Processing
Vema Academy
📅 Sep 2022   📍 Zanzibar, Tanzania

Machine Learning Educator
AI4D Multidisciplinary Research Lab
📅 Oct 2022   📍 Dodoma, Tanzania

Talk on Mathematics for DL & CNNs
IndabaX Tanzania
📅 June 20, 2021   📍 Virtual

EDUCATION

B.Sc in Telecommunications Engineering
The University of Dodoma
📅 2016 – 2020   📍 Dodoma, Tanzania

TECHNICAL STRENGTH

Skill	Level
Python	●●●●○
C++	●●●○○
Data Structures	●●●○○
MySQL	●●●●○
SQLite	●●●●○
Django	●●●○○
Django Restframework	●●●○○
NumPy	●●●●○
Matplotlib	●●●●○
Seaborn	●●●●○
Pandas	●●●●○
Scikit-Learn	●●●●○
PyTorch	●●●●○
Keras	●●●●○
NetworkX	●●●○○
PyTorch Geometric	●●●○○
Data Science	●●●●○
Machine Learning	●●●●●
Deep Learning	●●●●●
Natural Language Processing	●●●●○
Computer Vision	●●●●○
Mathematics for ML	●●●●○
Geometric Deep Learning	●●●○○
Large Language Models	●●●○○
Generative AI	●●●○○
TinyML	●●●○○
Git & Github	●●●●○

AWARDS

🏆 **1st Place Winner**
Scalable and High Performance TinyML Solution for Wildlife Monitoring - 2023 TinyML Challenge.

🏆 **Best Innovator Award**
Holistic Approach For Early Detection of Maternal, Perinatal, Child Health Risks and Their Timely Management Using AI - AAIAC 2023.

🏆 **Best Student Project Award**
COVID-19 and Pneumonia Detection System Using AI - The University of Dodoma Awards - 2020.

🏆 **4th Place Winner**
COVID-19 and Pneumonia Detection System Using AI - UDOM-CIVE Day 2020.

PROJECTS, RESEARCH & CHALLENGES

Improving Pharmacovigilance Systems using Natural Language Processing on Electronic Medical Records.
Research

COVID-19 and Pneumonia Detection System Using Artificial Intelligence.
Project

LUKU Minimum Unit Detection and Notification System Using GSM.

Glaucoma Detection
Project

Bottle Level Inspection
Project

Real Time Elephants Detection in Farm
Project

Diabetic Retinopathy Diagnosis
Project

Automatic Data Analysis System.
Project

Scalable and High Performance TinyML Solution for wildlife Monitoring
Challenge, ITU

AI4D iCompass Social Media Sentiment Analysis
Challenge, Zindi Africa

Swahili News Classification
Challenge, Zindi Africa

Basic Needs Right Kenya
Challenge, Zindi Africa

Urban Air Pollution
Challenge, Zindi Africa

Financial Inclusion in Africa
Challenge, Zindi Africa

Flood Prediction in Malawi
Challenge, Zindi Africa

Send Logistics Challenge
Challenge, Zindi Africa

SOFTSKILLS

Public Speaking & Presentation

Project Management

Effective Communication

Leadership

STRENGTHS

Hard-working) | Flexibility | Persuasive
Problem Solving | Logical Reasoning
Work Under Minimum Supervision
Great Team Player & Communicator

LANGUAGES

Swahili
English

REFEREES

Denis Pastory (PhD), Machine Learning Engineer.
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(+81) 9072609233
MDIU, Tokyo, Japan

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