

ZIRABAMUZAALE ZAKARIA

GRADUATE ELECTRICAL ENGINEER—UGANDA ELECTRICITY GENERATION COMPANY LTD

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e Mukono Uganda



EXPERIENCE

GRADUATE TRAINEE ELECTRICAL ENGINEER

UGANDA ELECTRICAL GENERATION COMPANY LTD

📅 11/2022 – Present 📍 Bukoto Kampala Uganda

DUTIES AND ROLES

- Designing and developing new Control & Instrumentation systems.
- Training interns on Hydro - power generation, grid management
- Troubleshooting systems like governor, protection, Excitation, Sensory devices etc.
- Providing advice, supervisory and consultancy support
- Design of P & ID drawings for industrial machinery and equipment control/operation.
- Installation, diagnosis & Troubleshooting motor starters, VFDs, Soft Staters
- Preventive, corrective & condition-based maintenance during unit outage & breakdowns
- Supervisory Control and Data Acquisition Scada (NIC3) system
- PLC Programming [LD, FBD, SFC and ST] and general industrial automation
- Implementing operating regulations for high voltage and Low Voltage plant safety regulations
- Analyzing data and presenting findings in written reports
- Developing machinery maintenance/testing work instructions & operating procedures
- Testing, maintaining and modifying electrical systems such as transformers, generators, fire system etc.
- Weekly Report writing and general technical documentation

INNOVATIONS OFFICER - VOLUNTEER

PROFESSIONAL URBAN PLANNERS' ASSOCIATION OF EAST AFRICA

📅 05/2022 - 11/2023 📍 Kampala Uganda

DUTIES AND ROLES

- Leading the team to enhance innovative potential
- Developing, strategizing and planning new interventions that drive innovation
- Monthly report writing
- Advocacy for inclusion of SMEs inclusion in climate change
- Technical analysis of urban cities challenges including traffic congestion.
- Using Machine learning and data analysis to develop insights from data

LINE MAINTENANCE TECHNICIAN

RUCAN ENGINEERING COMPANY LTD

📅 03 - 10/2020 📍 Kabale Uganda

DUTIES AND ROLES

- Design and installation of medium voltage sub transmission overhead lines
- Troubleshooting, preventive and corrective maintenance of transformers, switch gears and other line components
- Meggering and commissioning of newly installed lines
- Advancing powerlines and adding new diversions
- Electrical CAD design and reading Design schematics for lines
- Metering and protection of power distribution lines
- Earthing for lines and domestic installation
- Line surveying, data analysis and collection
- Fault finding in meters and customers equipment

LANGUAGES

English

Proficient



Luganda

Native



Lusoga/Rukiga

Intermediate



SKILLS

MACHINE LEARNING

INTERPERSONAL

PROGRAMMING

LEADERSHIP

PROBLEM SOLVING

LOGICAL REASONING

ORGANISATION

LISTENING SKILLS

COMMUNICATION

SCADA

ATTENTION TO DETAILS

CUSTOMER SERVICES

DECISION MAKING

ADVANCED COMPUTATIONAL SKILLS

REFERENCES

Eng. Dr. Mamman Hassan Buhari:

**Lecturer Abubakar Tafawa Balewa University
Bauch, Nigeria**

Tel: +2348032979565

Email: buhammamman2007@yahoo.com

Ms. Nalumansi Maureen:

Lecturer, Kabale University

Tel: +256770863687

Email: mnalumansi@kab.ac.ug

Mr. Biddo Frank:

Control & Instrumentation Engineer

Uganda Electricity Generation Company Ltd

Tel: +256787245408

Email: frank.biddo@uegcl.go.ug

EDUCATION

BACHELORS OF ELECTRICAL ENGINEERING

KABALE UNIVERSITY

08/2017 - 12/2021

UGANDA ADVANCED CERTIFICATE OF EDUCATION

KASAW SECONDARY SCHOOL

02/2015 - 12/2016

UGANDA CERTIFICATE OF EDUCATION

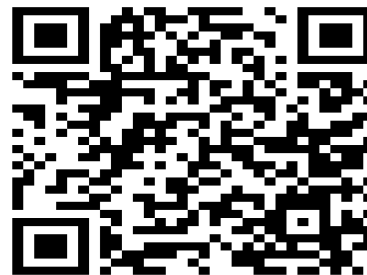
KASAWO SECONDARY SCHOOL

02/2011 - 11/2014

PRIMARY LEAVING EXAMINATION

AIDAN PRIMARY SCHOOL

02/2003 - 12/2010



TRAININGS AND CERTIFICATION

ADVANCED STUDY OF PROTECTION SCHEMES AND SWITCHGEAR

L & T EDUTECH – COURSERA - ONLINE

Aug 2023

India coursera online

PLANT SAFETY REGULATIONS & OPERATING REGULATIONS FOR HIGH VOLTAGE

ISIMBA HDRO POWER PLANT

2023

Isimba HPP Kayunga

CERTIFICATES IN MACHINE LEARNING DATA ANALYSIS AND AI

STANFORD UNIVERSITY

2022

coursera, Kaggle.com Online

INTERNET OF THINGS (IOT)

DIRECTORATE OF INDUSTRIAL TRAINING- ACCT & TMD

04.2021

TMD, Kabale Uganda

CERTIFICATE IN CORE PYTHON PROGRAMMING

SOLOLEARN CODE ACADAMY

2021

Online

PROJECTS AND PORTIFOLIO

SIMULATION OF INTELLIGENT TRAFFIC LIGHT SYSTEM USING PYTHON

<https://replit.com/@zirabamuzaale/traffic-light-system-simulation#main.py>

2021

replit.com online

ANALYZING THE RELIABILITY AND COST EFFECTIVENESS OF SINGLE WIRE EARTH RETURN FOR POWER DISTRIBUTION IN RURAL AREAS

<https://kabaleuniversity.academia.edu/ZZirabamuzaale>

2021

academia.com online

PID CONTROLLER SIMULATION USING PYTHON

<https://gist.github.com/zakkaria123/8483b609047cfdeddc0ca6f0507cc37>

2023

github.com online

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience. I understand that any willful misstatement described herein may lead to disqualification or dismissal, if engaged.

Signature:

ZIRABAMUZAAL ZAKARIA

Date of Signing: 30th/11/2023