

Jason N Kabi

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EDUCATION

Dedan Kimathi University of Technology

Bachelor of Science in Electrical and Electronic Engineering

Nyeri, Kenya

September. 2014 – April 2019

Muhoho high school

Kenya Certificate of Secondary Education

Gatundu, Kenya

Feb. 2010 – Nov 2013

EXPERIENCE

Research Intern

Centre for Data Science and Artificial Intelligence - DeKUT

Nov. 2019 – Present

Nyeri Kenya

- Developing software for IoT systems
- Setting up web infrastructures to handle IoT data transfers
- Iot systems - Hardware development
- Developing machine learning models to handle various tasks like anomaly detection, prediction ETC.
- Deployment of various IoT systems and also deployment of IoT networks and radio mapping

Undergraduate Research Assistant

Dedan Kimathi University of Technology

March 2020 – September 2020

Nyeri, Kenya

- Research - Development of a cattle tracking IoT system - Software development
- Research - Development of a cattle tracking IoT system - Hardware development

Electrical Engineering attaché

Kenya Power and Lighting Co. LTD

Jan. 2018 – April. 2018

Thika, Kenya

- Troubleshooting and diagnosing electrical equipment
- Maintenance of transformers, electrical switching gears and power transmission lines
- Used predetermined methods, sequences and setups to perform job duties
- Installation of street lighting circuits and lamps
- Performed routine tasks under close supervision using well defined standards and procedures
- Provided support to the lead Electrical Engineers and Technicians in tasks

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PROJECTS

Project Ewaso | *Python, C/C++, HTML/CSS, Git*

January 2020 – Present

- * Leveraging IoT and Machine Learning for Improved Monitoring of Water Resources – A Case Study of the Upper Ewaso Nyiro River
- * Water-level monitoring, water-Flow rate monitoring, water turbidity monitoring - Upper Ewaso Nyiro river

Cattle Tracking | *Python, C/C++, HTML/CSS, Bubble*

March 2019 – August 2019

- * Development of a cattle tracking IoT system

TECHNICAL SKILLS

Languages: Python, C/C++, HTML/CSS

Frameworks: Django, Dash, Jekyll

Developer Tools: Git, Google Cloud Platform (GCP), VS Code, Visual Studio, PyCharm,

Libraries: pandas, NumPy, Matplotlib, scikit-learn, Plotly, etc

PERSONAL PROFILE

I am a visionary and self-motivated individual possessing good verbal and written communication skills leading to better interpersonal cohesion and achievement of group target. I am enthusiastic and thrive on challenges. I have the maturity to gain the confidence of team members and colleagues. I am looking forward for a new challenge where I will apply my skills and further develop my career goals.

CAREER OBJECTIVE

To build a long-term career in the following fields: electrical and electronics engineering, IoT, data analytics machine learning and artificial intelligence, with opportunities of career growth.

ADDITIONAL INFORMATION

Nationality: Kenyan

Languages: English and Swahili

Gender: Male

Date of Birth: 23/5/1996

REFERENCES

Available upon request