Kassim Kalinaki
Technologist, Researcher & Educator
Professional Memberships (IEEE, IEEE GRSS, IEEE Computer Society)
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PhD Candidate, Computer Science (Universiti Brunei Darussalam – Ongoing since January 2022)
MSc. Computer Science and Engineering (Islamic University of Technology, Dhaka, Bangladesh – 2016),
BSc. Computer Science and Engineering (Islamic University of Technology, Dhaka, Bangladesh - 2013),
Diploma in Computer Science and IT (Islamic University of Technology, Dhaka, Bangladesh – 2011),
Ordinary Diploma in Computer Engineering (Kyambogo University 2010).

Skills: Leadership and management, presentation skills, mobilization, internet and the web, office applications, mapping software (ArcGIS and QGIS), supervision, facilitation skills, interpersonal skills, proficient in English language, communication skills, and ability to work in multicultural settings.

Major interests: Artificial Intelligence, Machine Learning, Deep Learning, Data Analytics, Digital Image processing, Geoscience and Geoinformation, remote sensing, Computer Vision, Lecturing, ICT Administration, Educational leadership and management.

A. Experience

I. PhD Candidate, Computer Science – Universiti Brunei Darussalam (UBD) (January 2022 – Present)

Under the expert mentorship of my supervisor, am involved in research that solves ecological problems using cutting-edge machine learning and deep learning techniques along with remote sensing tools and mapping and image processing software. Specifically, I build models that can predict forest change patterns, land use and land cover changes (LULC), forest tree species classification using state-of-the-art deep neural networks.

II. Lecturer – Islamic University in Uganda Main Campus Mbale (January 2017 – Present)
www.iuiu.ac.ug

Achievements:
Taught, examined, and graded computer science and IT modules such as Software engineering, human computer interaction (HCI), Computer and information security, cryptography and network security, computer systems architecture, management information systems, project planning and management, business process management, technical report writing, ICTs for organization transformation, operating systems concepts etc.
Supervised more than 20 final year BIT/BSc CS group projects.

III. Head, Department of Computer Science - Islamic University in Uganda Main Campus Mbale (August 2019 – December 2021)

Achievements

- Successfully oversaw the administration, financial, HR, and academic affairs of the department.
- Spearheaded the development of the masters program in IT Management.
- Was instrumental in transitioning physical teaching-learning to online and blended learning during the covid-19 lockdowns.
- Represented the department in the senate and was involved in the marketing of department courses through talks, seminars and community works within Mbale sub-region.
- Fostered research in the department through collaborations etc.

IV.   **Assistant Lecturer – Kyambogo University (January 2018 – June 2023)**

Achievements
Successfully taught, examined, and graded students taking Introduction to Computer science (TCEM 1102) in the department of civil and building engineering as well as the department of mechanical and production engineering.

V.   **Teaching assistant – Islamic University in Uganda Main Campus Mbale (January 2014 – June 2015)**

Achievements
As an early entrant in the teaching profession, I was assigned to diploma groups and successfully taught, examined, and graded diploma course units such as fundamentals of digital logic, technical report writing, e-commerce and website design. I also successfully supervised 3 diploma final year projects.

B. **Research and publications:**

Refer to my google scholar account:
https://scholar.google.com/citations?user=4f13Bz8AAAAJ&hl=en

C. **Referees**

Dr. Owais Ahmed Malik	**Dr. Umar Yahya**
Senior Assistant Professor	**Head, Motion Analysis Research Lab**
Universiti Brunei Darussalam (UBD)	Islamic University in Uganda (IUIU)
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