

Contact Information

- **Name:** Fahadi Mugigayi
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- **Phone:** +90 5465848828
- **Nationality:** Ugandan

Education

- **Doctor of Philosophy Computer Science – On going (Year 1).**
 - Gazi University, Ankara Turkey
- **Integrated Masters of Science in Computer Science and Engineering and Technical Education** (First Class Honours)
 - Islamic University of Technology, Dhaka, Bangladesh (2018-2019)
 - CGPA: 3.95 out of 4.0
- **Bachelor of Information Technology** (First Class Honours)
 - Islamic University in Uganda, Mbale, Uganda (2013-2016)

Research Experience

- **Research Assistant** (February 2018 - November 2019)
 - Islamic University of Technology, Department of Computer Science and Engineering
 - Key responsibilities:
 - Design research methodologies
 - Collect and analyze data
 - Discuss and report findings

Publications

- Fahadi, M. and M. S. H. Khan (2022). "Technology-Enhanced Teaching in Engineering Education: Teachers' Knowledge Construction Using TPACK Framework." *International Journal of Instruction* 15(2): 519-542.
- Alli, A. A. and M. Fahadi (2020). "Chapter four blockchain and fog computing: Fog-blockchain concept, opportunities, and challenges." *Blockchain in Data Analytics*: 75.
- Alli, A. A., et al. "Securing Industrial Internet of Things (IIoT): A Review of Technologies, Strategies, Challenges, and Future Trends." *Artificial Intelligence Solutions for Cyber-Physical Systems*: 244-263.
- Alli, A. A., et al. (2023). A Big Data Adaptability Framework in Developing Democracies, Challenges and Opportunities, IST-Africa 2023 Conference.

- Kalinaki, K., et al. (2023). "Artificial Intelligence of Internet of Medical Things (AIoMT) in smart cities: a review of cybersecurity for smart healthcare." Handbook of security and privacy of ai-enabled healthcare systems and internet of medical things: 271-292.
- WO, I. L., et al. (2024). Teaching as a Service: An Exploration of Educational Framework for Technology Driven Teaching for Higher Education Institutions. 2024 IST-Africa Conference (IST-Africa), IEEE.

Teaching Experience

- **Lecturer, Computer Science** (January 2020 - Present)
 - Islamic University in Uganda, Department of Computer Science
 - Key responsibilities:
 - Organize course content according to syllabus
 - Instruct and guide students
 - Evaluate student learning
 - Supervise undergraduate students

Technical Skills

- Programming Languages: Python, PHP, MySQL
- Web Development
- Networking Concepts (Cisco Certifications)
- Microsoft Office Suite

Soft Skills

- Communication (written and oral)
- Teamwork
- Leadership
- Time Management
- Problem-solving
- Adaptability

Additional Information

- **Driving License:** Yes
- **Languages:**
 - English (fluent)
 - Lugisu (fluent)
 - Luganda (intermediate)
 - Swahili (novice)

Referees

- Dr. Adam A. Alli, H.O.D Computer Science/Lecturer, Islamic University in Uganda (IUIU), Email: adam@iuiu.ac.ug
- Dr. Bwambale Rashid, Deputy Dean, Islamic University in Uganda (IUIU) Email: bwambalerashid@iuiu.ac.ug

As a Ugandan from a peasant background, my journey to academic success has been marked by significant challenges. Despite the limitations of my upbringing, I have strived to pursue higher education and contribute to the development of my country. My unwavering determination and resilience have allowed me to overcome obstacles and achieve academic excellence.

My decision to apply to Columbia University is rooted in a deep admiration for the institution's commitment to academic excellence, intellectual curiosity, and a global perspective. Columbia's rich history, renowned faculty, and diverse student body offer an unparalleled opportunity for intellectual growth and personal development.

While I recognize that there may be other applicants from more privileged backgrounds or world-class universities who may appear better positioned, I believe that my unique experiences and perspectives can contribute meaningfully to the Columbia community. My background has instilled in me a strong work ethic, resilience, and a deep appreciation for the opportunities that education can provide.

Furthermore, my research experience in the areas of artificial intelligence, machine learning, and blockchain technology aligns closely with Columbia's strengths in these fields. I am confident that my skills and knowledge, combined with the resources and mentorship available at Columbia, will enable me to make significant contributions to my chosen field of study.

In conclusion, my decision to apply to Columbia University is driven by a combination of my personal experiences, academic aspirations, and a deep respect for the institution's values. Despite the challenges I have faced, I believe that my unique perspective and determination make me a strong candidate for admission and that I can contribute meaningfully to the Columbia community.