



# AKOL HOPE

DATA SCIENTIST AND ANALYST

## PROFILE

Motivated, resourceful and passionate Information Technology and Computing student at Kyambogo University with hands-on experience in data analysis, web development, and IT infrastructure. Skilled in Python, SQL, Tableau, Excel and PowerBI with certifications in Data Science, Analytics, Statistics and MySQL. Former president of the Computer Students' Association, demonstrating leadership and teamwork. Passionate about using AI and machine learning to build innovative, community-centered solutions. Adaptable, analytical, and committed to continuous learning and impact-driven technology and also using data for making informed decisions, train modules to over come organizational and community real word challenges.

## **CONTACT**

📞 +256706469397

✉ akolhope2@gmail.com

📍 Kampala Uganda

## **EDUCATION**

**2023 - 2026**

**KYAMBOGO  
UNIVERSITY**

Bachelor of Information  
Technology and Computing

**2020 - 2022**

**MEHTA SECONDARY  
SCHOOL**

Advanced Certificate Of  
Education

**2016 - 2019**

**3R'S SECONDARY  
SCHOOL**

Uganda Certificate Of  
Education

## **LANGUAGES**

- English (Fluent)

## **SOCIAL PROFILES**

- LinkedIn:

<https://ug.linkedin.com/in/hfakol>

## WORK EXPERIENCE

**Business Analyst at Divine Secondary School, Lugazi**

December 2022 - July 2023

- Streamlined data collection and reporting procedures, reducing processing time by 20% enhancing efficiency.
- Implemented process improvement in the school
- Collaborated with more than 4 functional teams to gather information, define projects and ensure alignment with the school's goals and objectives hence fostering effective teamwork and project success.
- Produced reports and presentations summarizing findings and recommendations facilitating informed decision making by the Schools Board Members.

**President - Volunteer at KYUCSA Kyambogo University  
Computing Students Association, Nakawa, Central Region,  
Uganda**

JUNE 2024 - JUNE 2025

- Oversaw the activities of KYUCSA, leading initiatives to promote collaboration among computing students.
- Directed organizational efforts for computing students, fostering a sense of community and engagement.
- Implemented programs aimed at enhancing technical skills and industry knowledge among members.
- Coordinated events and workshops that provided networking opportunities and professional development for students.
- Facilitated communication and collaboration with various stakeholders, including faculty and industry professionals.
- Promoted inclusivity and participation in computing fields, encouraging diverse perspectives within the association.

## SKILLS

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- **Adaptability**
- **Creativity**
- **Ability to Work in a Team**
- **Computer Skills**
- **Communication Skills**
- **Customer Service**
- **Teamwork**
- **Microsoft Office**
- **Inclusivity**
- **Event Coordination**
- **Collaboration**
- **Communication**
- **Leadership**
- **Predictive Modeling**
- **Data Analysis**
- **Machine Learning**
- **SQL**
- **Python**

## HOBBIES

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- Surfing the internet and conducting Research
- Discovering and exploring emerging technologies
- Reading books and the Bible
- Listening to Music
- Spending quality time with loved ones
- Engaging in academic and professional networking sessions

## Intern at Kyambogo University, Nakawa, Central Region, Uganda

June 2024 - July 2024

- Repair and Maintenance of computers.
- Installation of Operating Systems.
- Operating printers.
- Connection of projectors for department meetings
- Installation of internet data ports and replacing old ones.
- Data backup and Data Recovery procedures
- Installation of Fiber Optic Cables around the Faculty of science.
- Administrating the thin clients and safety

## IT and Health Informatics Intern at Kawolo General Hospital, Lugazi

May 2025 - July 2025

- Participated in the successful setup of IT infrastructure in the Inpatient Department Pharmacy.
- Applied essential network and device security measures to protect sensitive health data.
- Operated the Hospital System called ClinicMaster, extracting data from it to excel pivot tables aiding report making.
- Conducted technical troubleshooting on workstations and network systems, minimizing downtime.
- Operated the HIV Prevention Tracker System for data entry, updates, and editing.
- Gained practical experience with digital health systems including eHMIS and eCBSS.
- Assisted staff in computer maintenance, software installation, and basic user support.

## Bank Of Uganda Internship/Deployment in Business Automation Department, Kampala

August 2025

- Supported the automation of routine business processes, reducing manual workload and improving efficiency.
- Assisted in the design, testing, and deployment of automation scripts and workflows using Python, SQL, and Excel VBA.
- Collaborated with teams to analyze existing workflows and recommend areas for digital transformation and process optimization.
- Worked with databases to manage, clean, and extract structured data for reporting and operational use.
- Contributed to the preparation of automation performance reports and technical documentation for supervisors.
- Gained hands-on experience with Power BI for data visualizations and interactive dashboard creation, where I created a dashboard for the Statistics department, presented it and they got their question answered through their own data.

## **REFERENCES**

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Mr. Olupot Alphonse  
Tomas  
Director Divine Secondary  
School  
atolupot71@gmail.com  
+256756091877

Mr. Musisi Kizito  
Lab Technician  
Kyambogo University  
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Mr. Mbogo Kenneth  
Lecturer and Chairperson  
Convocation  
Kyambogo University  
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## **OTHER COURSES/CERTIFICATES**

- Diploma in MySQL and Statistics for Data Analysis , Alison** November 2024 – December 2024
- Data Science & Analytics, Hp Life Foundation** October 2024 – December 2024
- Data Analytics Essentials, CISCO Networking Academy** December 2024 – January 2025
- Digital Awareness, ITU-DTC UGANDA INSTITUTE OF ICT - UICT** June 2025 – June 2025
- Digital Thinking, Hp Life Foundation** June 2025 – June 2025
- Introduction to Cybersecurity, CISCO Networking Academy** October 2023 – December 2023
- Operating Systems Basics, CISCO Networking Academy** November 2025 – December 2025
- Data Science Certificate, UICT** July 2025 – August 2025