

# ABIGAIL VIVIAN MUTHONI NDEGWA

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## CAREER SUMMARY

I am a passionate Software Development student with a solid foundation in cloud computing, programming, and collaborative software projects. Currently enrolled in a Bachelor of Science in Software Development at KCA University and I'm in my fourth year. I have recently graduated from the AWS Re/Start Program and I'm currently a certified Cloud Practitioner. My passion for cloud and continuous learning has made me undertake two cloud projects which I have both successfully completed. Experience-wise, I am the co-founder of Be Audacious, a new Tech community aimed at eliminating imposter syndrome while building confidence for the individuals in the Tech space. This experience has helped me learn how to deliver results through collaboration with my co-founders it has also increased my problem-solving skills. In addition to having a growth mindset, I am a fast learner and this gives me the ability to learn and adopt to new technologies and tools. I am also passionate about delivering quality.

## TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, PHP.
- **Cloud Platforms:** AWS (EC2, VPC, RDS, DynamoDB, S3, IAM, CloudWatch, CloudTrail)
- **DevOps Tools:** Docker, Kubernetes (Basic Knowledge)
- **Databases:** MySQL, Amazon RDS, DynamoDB
- **Operating Systems:** Linux (Ubuntu, Kali) – Basic Knowledge, Windows.
- **Version Control:** Git
- **React and NextJs**
- **Soft Skills:** *Problem-solving, Collaboration, Time Management, Communication (Oral and Written)*

## EDUCATION

### Bachelor of Science in Software Development

September 2021 – May 2025

KCA University, Nairobi, Kenya

Expected Graduation: December 2025

Entering fourth year second semester with coursework in Programming, Cloud computing, Networking, Databases and Software Engineering Principles.

### AWS Re/Start Program

September 2024 – December 2024

Ajira Digital and eMobilis Technology Training Institute

Intensive 12-week program focused on AWS fundamentals, cloud architecture, networking, databases, containerization, and security best practices.

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Graduated Golden class for Cohort 11, the class I was participated.

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## PROFESSIONAL EXPERIENCE

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### **Cloud Security and Monitoring Resources with AWS Project.**

#### **Team Project - February 2025**

- Worked on a security project which has four phases of securing your resources in AWS Cloud.
- The project entails securing data in Amazon S3.
- Securing the VPCs (Virtual Private Network).
- Securing AWS Resources using AWS KMS
- The Project also covers monitoring and Logging for more security.
- Received a badge to honour the completion of the project.

### **Cloud Web Application Project**

#### **Team Project – January 2025**

- Designed and developed a three-tier cloud-based web application using AWS services (EC2, VPC, RDS, Load Balancer).
- Drew architectural diagrams and estimated costs using the AWS Pricing Calculator.
- Collaborated with a team of 5 to ensure project milestones were met on time.
- Received a badge to honour the completion of the project.

### **Volunteer, Africa DevOps Summit 2024**

#### **Volunteering team – October 2024**

- Assisted in coordinating and directing the guests to the different break-out rooms and in the registration desk.
- Worked closely with the other volunteers to ensure that the event ran smoothly from the start to the end.

### **Organizer, AWS Student Community Day 2024**

#### **Call for speakers / Volunteers Team – October 2024**

- Vetted the Speaker sessions for the community Day, coming up with the panel questions, ensured that the speakers were comfortable during the community day that was attended by 200+ cloud enthusiasts.
- Worked closely with the other organizers in the different departments to ensure we met the deadlines.

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## **Volunteer, AWS Community Day 2024**

### **Logistics Team – April 2024**

- Assisted in coordinating logistics to ensure smooth operations during the event.
- Worked closely with other teams to manage schedules and resolve issues efficiently.

## **Co-founder, Be Audacious Tech Community**

### **Ongoing**

- Co-founded a tech community focused on empowering beginners and eliminating imposter syndrome.
- Organized workshops and mentorship sessions covering Data Science, AI, ML, Web Development, and Cybersecurity.
- Developed leadership, event coordination, and communication skills.
- We have been having online webinars on the AI/ML track for the past three months with an attendance of 90+ in every session. These sessions are technical with the purpose of helping and equipping aspiring AI/ML engineers with the necessary skillset.
- The sessions also offer thought-provoking conversations for the professionals who are already in the field.

## **Store Sales Representative & Social Media Manager**

### **Daja Enterprises Limited – May 2023 to August 2023**

- Managed social media accounts to promote products and engage with customers.
- Improved customer satisfaction by addressing inquiries and resolving complaints promptly.

## **VOLUNTEER WORK**

### **IT Specialist Attaché**

**May 2024 – August 2024**

### **Water Resources Authority | Nanyuki, Laikipia County**

I undertook my attachment at Water Resources Authority (WRA) Ewaso Ng'iro Basin Area from the 20th May 2024 to 20th August 2024 as an IT Specialist.

Some of the skills I gained include:

- Troubleshooting the organization's network such as the connection of a Telephone over POE and Troubleshooting the internet connection.
- Did a Cyber-security awareness training and got certified.
- Hardware Troubleshooting and maintenance such as Installation of Windows OS, Antivirus, RAM.
- Understanding the organization's filing system which involved Filing, Retrieving and updating file movement register.
- Programming where I did learn more on Python, Web Development and SQL.
- Got a recommendation letter at the end of the attachment.

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## PROFESSIONAL CERTIFICATIONS AND TRAINING

**Certified Cloud Practitioner Badge** | Amazon Web services Training and certifications

December 2024

**AWS Re/Start Certificate** | Ajira Digital and eMobilis Technology Training Institute

December 2024

**Recommendation Letter** | Water Resources Authority

August 2024

**Cyber Security and Emerging Technologies Awareness Training** | ICT Authority.

June 2024

**Recommendation Letter** | AWS User-Group Kenya

May 2024

**Science and Engineering fair Certificate** | Moi Girls School Nairobi

August 2018

## LEADERSHIP AND INVOLVEMENT

- Co-founder Be Audacious Tech Community
- Organizer AWS Student Community Day
- Member of several tech communities – AWS User-Group Kenya, Be Audacious, AWS Cloud Clubs and KCAU Tech club.
- Treasurer, Christian Union – Former High school.
- Head of Patrol Rangers – Kenya Girl Guide Association.

## LANGUAGES

- English: Fluent
- Kiswahili: Fluent

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## ADDITIONAL INFORMATION

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- **Hobbies:** Photography, Playing Musical Instruments, Community Involvement, Knitting, Learning New Languages
- **Achievements:** Assisted in organizing HIV/AIDS awareness events, exceeded sales targets during employment at Daja Enterprises.

## REFERENCES

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-Available upon request.