ALEX NJAGI MURIUKI

IT INTERN

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PROFILE

Dynamic and dependable ICT personnel with hands-on experience in networking, cybersecurity, and system support through practical work at the Directorate of Immigration Services. Successfully enhanced team output by 56% through the development and implementation of efficient software solutions. Skilled in programming (Python, Java, Kotlin), troubleshooting, and system maintenance. Possesses strong communication, time management, and teamwork abilities. Eager to gain real-world experience and contribute meaningfully in fast-paced, technology-driven environments.

EXPERIENCE

IT Attache   09/2024 – 12/2024
Directorate of Immigration Services   Nairobi, Kenya
- Set up servers and crimped Ethernet cables, improving network reliability by 15%
- Backed up system and user data weekly, lowering chances of data loss from 13% to 6%
- Handled reporting and record-keeping, improving task tracking by 6%
- Reviewed peers' tasks to maintain consistency, raising work standards by 4%
- Installed software and systems used in visa and passport processing, increasing team output by 56%
- Fixed and maintained desktops, laptops, and printers, helping equipment last 30% longer

IT Final Year Project   01/2024 – 09/2024
Dedan Kimathi University of Technology   Nyeri, Kenya
- Created the DeKUT Android Voting System using Java and Firebase; reduced voting time from 45 to 22 minutes (50% improvement)
- Surveyed 200+ student voters; redesigned interface based on feedback resulting in 43% higher participation rate
- Conducted systematic testing across 15 Android devices; identified and resolved 27 functional issues before deployment
- Implemented comprehensive version control and project documentation; decreased bug resolution time by 51%

Academic Intership   02/2023 – 04/2023
Dedan Kimathi University of Technology   Nyeri, Kenya
- Gathered and processed user requirements data from 150+ students for hostel management system development
- Applied regression analysis to predict booking patterns; increased booking allocation precision by 59%
- Built and launched a responsive web-based hostel reservation platform using HTML, CSS, and JavaScript Reduced manual booking time by over 40% and improved accessibility for students by 60%
- Implemented agile sprint methodology with 4-person team; completed project delivery 29% ahead of schedule

CERTIFICATES

- Java Programming for Beginners, Feb 2025
- Cybersecurity Essentials, June 2023
- Introduction to Internet of Things (IOT), CISCO, March 2024
- Introduction to Cybersecurity, CISCO, June 2022
- Network Security, CISCO, February 2023

TECHNICAL SKILLS

- Programming(Java, Python, Kotlin)
- Networking(TCP/IP, DNS, DHCP, LAN/WAN)
- Cybersecurity(Firewalls, Antivirus Tools, Basic Risk Assessment)
- Internet of Things (IOT)
- Video Editing(Adobe Premiere Pro)
- IT related equipment(desktop, laptops, printers)
- Linux and Windows Operating Systems

PROJECTS

DeKUT Voting System
01/2024 – 09/2024
- Developed an electronic voting system for the entire university.
- Built using Android Development technologies.
- Implemented secure authentication and user-friendly interfaces for students and staff.
- Emphasized data integrity and transparency in the voting process.

Technologies: Android, Java, Firebase

System Engineering-devops
03/2023 – 03/2023
- Explored fundamentals of system engineering and DevOps practices.
- Worked on shell scripting basics, automation using Python and Ruby.
- Applied infrastructure automation with Puppet.

Technologies: Shell, Python, Ruby, Puppet

EDUCATION

B.Sc. Information Technology
Dedan Kimathi University of Technology
Second Class Upper Division

10/2021 – 12/2024
Nyeri, Kenya

Kenya Certificate of Secondary Education
Kiaguthu Boys Secondary School
Grade: B

01/2017 – 04/2021
Murang'a, Kenya

Kenya Certificate of Primary Education
Clara Academy
Marks: 387

01/2009 – 11/2016
Nairobi, Kenya

LANGUAGES

English   ● ● ● ● ●   Swahili   ● ● ● ● ●

INTERESTS AND HOBBIES

Content creation | Karate | Bike riding | Community empowerment and voluntary work. |
Hiking activities | Reading

REFERENCES

Lona Nyameya, *Immigration officer*, Directorate of Immigration Services
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Dr. Gikunda Kinyua, *COD-IT*, Dedan Kimathi University of Technology
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