

## OMBONGI KINGSLEY NYAGAKA

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### WORK EXPERIENCE

#### ICT Attachee

*Ruiru Law Courts*

*(Diploma May 2022 - July 2022)*

*(Degree September 2024 – November 2024)*

#### **Key Responsibilities:**

- **Case Management and Tracking**
  - Supported electronic case filing and management, assisting in the digital filing of cases and efficient tracking of case statuses to aid court scheduling and monitoring.
- **System Support and Maintenance**
  - Provided technical support to court staff, including troubleshooting and maintaining court information systems and other digital tools critical to daily operations.
- **Data Security and Privacy**
  - Assisted in data backup and recovery operations, and managed access control systems to maintain secure, private handling of sensitive case information.
- **Digital Record-Keeping and Archiving**
  - Organized and digitized court documents to facilitate easy access and efficient retrieval of records, contributing to a reduction in paper-based documentation.
- **Videoconferencing and Virtual Hearings**
  - Facilitated virtual court sessions by setting up and managing videoconferencing tools, providing technical assistance to ensure seamless remote participation during hearings.
- **ICT Infrastructure Management**
  - Helped maintain and monitor the ICT infrastructure, including network stability, and performed routine maintenance on court hardware like computers and printers.
- **Training and Capacity Building**
  - Conducted introductory training sessions on court ICT systems for new staff and provided guidance on cybersecurity best practices to safeguard court data.
- **Public Access and Information Sharing**
  - Supported the management of public information systems within the court, updating and maintaining content on the court's website for accessibility and transparency.
- **Coordination with National Judicial ICT Systems**
  - Assisted in aligning Ruiru Law Courts' ICT operations with national systems such as the Kenya e-Filing system, ensuring smooth integration and data sharing.

## EDUCATION

### Kapenguria School (January 2016- November 2019)

- Attained a KCSE (Kenya Certificate of Secondary Education)

### Zetech University (Diploma) January 2021- January 2022

- Attained a **Diploma in Information Technology**
- **Member of Google Developer Student Club (GDSC)**  
Contributed to projects, hackathons, and workshops on software development, coding best practices, and Google technologies, enhancing skills in software development and networking with tech professionals.
- **Member of iTech Club**  
Participated in activities promoting tech innovation and digital literacy, including tech talks, coding challenges, and peer learning sessions, expanding my knowledge of emerging IT trends.
- **CCNA and Cybersecurity Badges**  
Earned four [Credly-verified badges](#) in CCNA and cybersecurity, demonstrating proficiency in network fundamentals, security principles, and network infrastructure management.

### Zetech University (Degree) September 2022- November 2024

- Attained a **Bachelor's Degree of Science In Information Technology**
- **Member of Innovations Center**  
Coordinated club programs in Android, Cybersecurity, Web Development, and Machine Learning, supporting collaborative tech projects and initiatives.
- **Co-Chairman of iTech Club**  
Led and organized club activities, including tech talks and coding challenges, while driving engagement across multiple tech domains after being an active member since my diploma.
- **Participant in Google Challenges**  
Gained hands-on experience through participation in Google challenges, tackling real-world problems in Android, Machine Learning, and Web Development.

## PROJECTS

- [An IT technical Support System](#) – It provides assistance to end-users, ensuring smooth and efficient operation of IT systems, addressing technical problems, and ensuring minimal disruption to business operations.
- [A Music Recommendation System](#) - is a type of software or algorithm designed to suggest music to users based on their preferences, listening habits, and other factors. The goal of such a system is to provide personalized music suggestions that enhance the user's experience by discovering new songs, albums, or artists that they are likely to enjoy. Music recommendation systems are widely used by platforms like Spotify, YouTube, and Apple Music.

- [\*\*A Crop Recommendation System\*\*](#) - is a tool that suggests the most suitable crops for a given area based on factors such as soil type, climate, weather patterns, and available resources. It uses data analysis and algorithms to help farmers make informed decisions, optimizing crop yield and resource usage for better productivity and sustainability.

## **SKILLS**

- **Programming:** Python • JavaScript • Kotlin
- **Databases:** MySQL • Firebase
- **Frameworks & Tools:** JSON • Django • Figma • Git
- **UI/UX Design:** Familiar with Figma for design
- **Other Skills:** Android SDK