

**DOMINIC ORIMBA AURA**

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## **PROFESSIONAL SUMMARY**

A highly skilled and detail-oriented ICT specialist with a **Bachelor of Science in Information Technology** and a strong passion for teaching and research. I have extensive experience in **software development, database management, artificial intelligence, and cybersecurity**, coupled with hands-on expertise in **web and mobile-based systems development**. My ability to **design, implement, and evaluate IT-based solutions** allows me to provide students with both **theoretical knowledge and practical skills**.

I am dedicated to fostering an **interactive and engaging learning environment**, equipping students with the **digital competencies** required in today's technology-driven world. My proficiency in **emerging trends such as AI, cloud computing, and knowledge-based systems** makes me well-suited to contribute meaningfully to the ICT department.

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## **EDUCATION**

### **Bachelor of Science in Information Technology**

Kirinyaga University | Sept 2025(Upcoming)

- Specialized in **Software Engineering, Artificial Intelligence, Data Science, Cybersecurity, and Business Process Modeling**.
  - Conducted a **research project on the impacts of AI in Education**, focusing on **AI-driven project management systems**.
  - Developed an advanced **student attendance tracking system** integrating **QR codes, OTPs, and web-based management**.
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## **PROFESSIONAL EXPERIENCE**

### **Software Developer & ICT Consultant**

Freelance | 2023-2024

- Developed a **web and mobile-based QR code student attendance system** with real-time data processing.
- Designed and implemented an **AI-powered project management system** for campus research projects.
- Engineered **secure web applications** with **PHP, Django, React Native, and MySQL**.
- Provided **cybersecurity consulting** by evaluating vulnerabilities and implementing **multi-layer security protocols**.

### **Data Analyst & Machine Learning Engineer**

- Conducted **time series forecasting and sentiment analysis** for various clients.
- Applied **data science techniques** to generate predictive insights for business decision-making.
- Built **custom AI models** for natural language processing and data classification.

### **Teaching & IT Training Experience**

- Conducted **private IT tutoring sessions** focusing on **software development, cybersecurity, and data analytics**.
- Designed and delivered **comprehensive training programs** on **database management, cloud computing, and AI**.
- Assisted students in **developing IT projects**, ensuring **best practices in coding and system security**.

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## **TECHNICAL SKILLS**

- **Programming Languages:** Python, JavaScript, PHP, SQL
- **Web & Mobile Development:** Django, React Native, Bootstrap, AJAX
- **Database Management:** MySQL, PostgreSQL
- **Artificial Intelligence & Data Science:** Machine Learning, NLP, Time Series Analysis
- **Cybersecurity:** Network Security, Ethical Hacking, Data Encryption
- **Cloud Computing:** AWS, Google Cloud

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## **CERTIFICATIONS & TRAININGS**

- Certificate in **Data Science & Machine Learning**
- Training in **Business Process Modeling**
- **Certificate in Advanced Database Management**.
- Professional Development in **E-commerce & Digital Marketing**
- **Certificate in Cybersecurity Awareness-ICT Authority of Kenya**

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## **PROJECTS**

- **QR Code Student Attendance System** (Web & Mobile-based)
- **AI-Powered Project Management System**
- **E-commerce Web Application**
- **Knowledge-Based Expert System for Decision Support**

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## **SOFT SKILLS**

- Effective Communication & Presentation
- Team Collaboration & Leadership
- Problem-Solving & Critical Thinking
- Research & Report Writing
- Curriculum Development

## **References**

Available when needed.