

## **MICHAEL OTIENO OMONDI**

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GitHub: <https://github.com/MIKE2634>

Portfolio: <https://mike2634.github.io/portfolio/>

P.O Box 6 – 60100 Embu, Kenya

### **Professional Summary**

Results-driven Computer Scientist with hands-on experience in software development, web solutions, and artificial intelligence. Skilled in Python, Java, C, Django, Laravel, and MySQL, with strong expertise in machine learning, data analysis, cryptography, and IT support. Experienced in applying technology to real-world problems in healthcare and research. Passionate about building innovative, efficient, and user-focused solutions.

### **Education**

#### **Bachelor of Science in Computer Science (2021–2025)**

University of Embu – **Second Class Upper Division**

#### **High School (2015–2018)**

Prof. Ayiecho Obumba Secondary School – attained C+ KCSE

#### **Primary School (2007-2014)**

Kang'o Primary School attained 268 marks KCPE

### **Work Experience**

#### **ICT Attachment – Tenri Children Hospital, Embu (3 months)**

- Provided IT support to medical staff, troubleshooting hardware/software issues, and minimizing downtime.
- Gained exposure to hospital information systems, networking, CCTV operation, and internet troubleshooting.
- Supported software updates and system maintenance for healthcare operations.

#### **Field Assistant – Malaria Research (ICMR, 2 years)**

- Collected and analyzed malaria-related data for scientific research projects.
- Ensured accurate field data handling and contributed to team-based health research initiatives.

## Coding Club Member – University of Embu (1 year)

- Developed AI models and web applications using Python, Django, Laravel, and JavaScript.
- Led collaborative projects and mentored peers in coding best practices.

## Projects

- **AI-Powered Chatbot** – Built a Python-based chatbot using ML, reducing FAQ response time.
- **E-Commerce Website** – Developed a Laravel e-commerce platform with secure payment integration.
- **Malaria Data Analysis Tool** – Created a Python (Pandas/NumPy) tool to visualize malaria data trends.
- **Timetable Scheduling System** – Designed a Python-based class allocation system using constraint programming.
- **Car Selling Platform** – Built a Django-powered website with advanced user features.
- **Face Detection System** – Developed a Python + OpenCV facial recognition solution.
- **Student Attendance Tracker** – Python system for tracking attendance and performance.  
*(More showcased in my Portfolio and GitHub)*

## Technical Skills

- **Programming:** Python (advanced), C, Java
- **Web Development:** HTML, CSS, JavaScript, Django, Laravel
- **Databases:** MySQL
- **AI & Data Science:** Machine Learning, Pandas, NumPy, Cryptography
- **ICT Support:** Networking, CCTV, Internet troubleshooting, System maintenance
- **Collaboration:** Research data handling, teamwork in technical projects

## References

Available upon request