**CURRICULUM VITAE**

### Shem Olal

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# PERSONAL ATTRIBUTES

* Intelligent
* Self-motivated
* Works well with minimum supervision
* Well adaptive as a team player

# PROFESSIONAL SUMMARY

A motivated and detail-oriented Computer Science graduate with expertise in software development, web applications, and IT support. Proficient in Python, Java, C, React, and Node.js with practical experience in developing functional applications including CV ranking systems and QR-based attendance tracking. Seeking to leverage technical skills and practical knowledge to contribute to innovative technology-driven projects.

# EDUCATION BACKGROUND

### 2021 to date: UNIVERSITY EDUCATION

University of Kabianga – Degree in Computer Science (Continuing student) | Graduation – November 2025

### Relevant Coursework:

* + Software Development
  + Data Structures & Algorithms
  + Database Management
  + Artificial Intelligence
  + Web & Mobile App Development

## 2017 – 2020: SECONDARY EDUCATION

Agoro Sare High School

Kenya Certificate of Secondary Education,

## 2007 – 2016: PRIMARY EDUCATION

Eden Park Academy

Kenya Certificate of Primary Education

# TECHNICAL SKILLS

* + **Programming Languages:** Python, Java, C++, JavaScript, PHP, SQL, R, C, C++
  + **Web Development:** HTML5, CSS3, React, Django
  + **Mobile App Development:** Flutter
  + **Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn
  + **Database Management:** MySQL, SQLite
  + **Tools & Technologies:** Jupyter Notebook, Visual Studio, Git, Docker
  + **Other Skills:** Pandas, NumPy, Plotly, Statistical analysis, Machine learning

# PROJECTS

### Resume Ranking Application

* + Developed an application that shortlists job applicants by scanning and ranking CVs according to job descriptions
  + Implemented natural language processing techniques to match candidate qualifications with requirements

### QR Code Attendance Tracking System

* + Created a mobile application that automates attendance tracking through QR code scanning
  + Implemented secure verification protocols to prevent proxy attendance

### Restaurant Management System

* + Designed and developed a comprehensive application for restaurant operations
  + Included features for order management, inventory tracking, and customer management

# WORK EXPERIENCE

### Standard Group

ICT Support Desk Intern | 4 months

* + Provided technical assistance to staff and resolved IT-related issues
  + Gained hands-on experience with enterprise-level IT infrastructure
  + Assisted with network troubleshooting and hardware maintenance

### Cyber Café

Computer Instructor | [May-August 2022(Long holiday)]

* + Taught software packages to new learners including MS Office applications
  + Provided instruction on basic networking concepts and hardware maintenance
  + Assisted customers with technical issues and computer operations

### School Teaching

Computer Studies Teacher | (May-August 2023)]

* + Delivered computer studies curriculum to students
  + Developed lesson plans and educational materials
  + Evaluated student performance and provided guidance for improvement

# WEB DEVELOPING SKILLS

* + Cooperate with designers to create clean interfaces and simple, intuitive interaction.
  + Develop project concepts and maintain optimal workflow.
  + Work with senior developers to manage large, complex design projects for corporate clients.
  + Complete detailed programming and development tasks for front-end public and internal websites.
  + Carry out quality assurance tests to discover errors and optimize usability.

# TEACHING EXPERIENCE

### University of Kabianga

**2023:** Teaching assistant for BSc course "Procedural Programming I"

### Tri-net Resolutions Cybercafe

**2021:** Teaching assistant, taught basic computer lessons, software installation, Word, Excel, PowerPoint among other basic office operations.

### Atemo Mixed Secondary School

**2021:** Took and guided Form Two class for a period of 4 months.

# AWARDS AND SCHOLARSHIPS

**2023:** Government sponsored student program to finance undergraduate degree.

**2021:** Government bursary to finance undergraduate degree.

**2021:** Certification of award of participation in relevant course work.

# CONFERENCES, WORKSHOPS, OTHER RESEARCH ACTIVITIES

**2023:** Africa Open Data: Workshop and Speaker Series online Data Analysis with R workshop online

Classification Machine Learning with Python workshop

# RELEVANT EXTRACURRICULAR EXPERIENCE

**2023:** Participating on Huawei Competition

**2022:** Participating on a front web development club that involved learning front-end technologies.

**2020:** Took part in science congress at High school where we reached the county level, with our project "BIO-DEGRADABLE PLASTICS"

**2019:** Took part in pioneering of the new CBC program, I was among the few volunteers.

**2019:** Participated in Agoro's annual tournament as a basketballer, where we came short as the third runners up.

# EXTRACURRICULAR ACTIVITIES

* + Member, University Tech club
  + Participated in PLP Hackathons and coding competitions.
  + Attended data analytics and software development workshops.

# CERTIFICATIONS

* + Air Software Engineering(certificate): Software Development and System DevOps
  + Great Learning Certifications: Python for Beginners and Introduction to Digital Marketing
  + Huawei Certification

# STRENGTHS

* + High proficient in the use of Microsoft Word, Excel, Access, Publisher
  + OS installation (Windows 10/11, Linux)
  + Software installation

# HOBBIES

* + Coding
  + Watching movies

# SOFT SKILLS

✔ Problem-Solving & Critical Thinking

✔ Teamwork & Collaboration

✔ Communication & Presentation Skills

✔ Adaptability & Fast Learning

# REFEREES

## MR. CHARLES OCHIENG' OGUTA

Tri-net manager and owner Tel: 0711743862

## DR. PATRICK BII

Project supervisor and lecturer University of Kabianga

Tel: 0701046442

## MR. COLLINS MMUDI

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