ANGE KOUMBA

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PROFILE

Final-year **Information Technology student** at the **University of Kigali**, specializing in **Data Science, Software Engineering, and Full-Stack Development**. Certified in **Backend Development (Pro)**, **Data Analytics**, **Freelancing (ALX)**, and **Professional Foundation (ALX Africa)**. Participant in **The Gym Rwanda**, the most intensive software engineering training program in Rwanda. Experienced in **Python, Django, MySQL, React, Tailwind CSS**, with strong interests in **fintech, data-driven decision-making, and quantitative analysis**.

EDUCATION

University of Kigali – Kigali, Rwanda
Bachelor of Science in Information Technology | Sep 2022 – Sep 2025

- Dissertation: *Blockchain and Transaction Security: A Revolution for Finance?*
- Relevant coursework: Software Development,Data Science, Database Systems, Networking, Programming, AI, Cybersecurity

Kigali Language Training Center – Kigali, Rwanda
Certificate in Electronics & Applied Physics | 2021 – 2022

Lycée Technique Jean Fidèle Otando – Port Gentil, Gabon
Industrial Technology (Electronics & Applied Physics) | 2018 – 2021

CERTIFICATIONS & TRAINING

- **Pro Backend Developer Certification – ALX Africa**

- **Data Analytics Certification – ALX Africa**

- **Freelancing Certification – ALX Africa**

- **Professional Foundation Program – ALX Africa**

- **WorldQuant University – Applied AI Lab (2024)**

- **The Gym Rwanda – Intensive Software Engineering Program (2025)**

- **Full-Stack Development (In Progress) –The Gym Rwanda**

- **Data Science (In Progress) –ALX Africa**

EXPERIENCE & PROJECTS

Saltel – Kigali, Rwanda
Front-End Developer | Jan 2025 – Mar 2025

- Developed **front-end interfaces** for internal applications using **HTML, CSS, JavaScript, and React**

- Created **responsive and user-friendly interfaces** to improve usability

- Collaborated with team members, enhancing **technical communication and problem-solving skills**

- Contributed to **internal projects** with modern web development practices

Key Projects

- **E-commerce Platform (Full-Stack)**

  - **Frontend:** React, HTML, CSS, Tailwind CSS – responsive UI, product catalog, product details, shopping cart, search & filter

  - **Backend:** Django (REST Framework), MySQL – user authentication (JWT), product & order management, admin dashboard

  - **Features:** Checkout process, CRUD for products, pagination, form validation, unit testing

  - **Payments:** Prepared integration with Stripe/Paystack (simulation)

- **SAWAI (Smart Agriculture With AI)** – IoT-based soil monitoring (pH, humidity, temperature) with real-time Python data analysis

- **Airbnb Clone (Back-End)** – Django + MySQL: authentication, bookings, payments, admin dashboard

- **Messaging App (Django REST Framework)** – APIs with JWT authentication, custom middleware, signals, role-based permissions

- **Credit Scoring Model (Data Science)** – Machine learning model with **Python, Pandas, Scikit-learn** predicting client solvency

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VOLUNTEERING

University of Kigali – Kigali, Rwanda
Class Representative | 2023 – Present

- Acted as a liaison between students and faculty, ensuring smooth communication

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ACHIEVEMENTS

- Winner – **Interdepartmental Football Tournament 2025**, University of Kigali

- Selected for **WorldQuant University Applied AI Lab (2024)**

- Multiple **portfolio projects in Data Science & Full-Stack Development**

SKILLS

Programming & Frontend: JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, React (hooks, router)
Backend & Server: Python, Django, Django REST Framework, REST APIs, JWT
Data & Machine Learning: Python, Pandas, NumPy, Scikit-learn, basic TensorFlow
Databases: MySQL, SQLite
Tools & Platforms: Git/GitHub, Docker (basic), Swagger, Linux, VS Code
Other: IoT (sensors, data collection), unit testing, CI/CD (basic)
Languages: French (Fluent), English (Fluent), Kinyarwanda (Basic), Spanish (Basic)
Soft Skills: Problem-solving, Adaptability, Leadership, Communication

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HOBBIES & INTERESTS

- **Astrology** – analyzing astrological charts

- **Global Cultures** – exploring traditions, histories, and documentaries

- **Football** – playing, following matches, analyzing strategies

- **High-Speed Sports** – Formula 1 & advanced racing technology

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