Contact

Website
My Portfolio

Location
Uppsala, Sweden

GitHub
khalifa47

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+46 (0) 734 777993

Expertise

React.js • Next.js • Node.js • Nest.js • TypeScript • Python • PyTorch • Scikit-learn • MATLAB • Supabase • Google Cloud • Azure

Languages

- Swahili (Native)
- English (Native – TOEFL iBT 109/120)
- French (Proficient – DELF B1)
- Swedish (Basic)
- Spanish (Basic)

Awards

- Dean's List Award for Outstanding Performance – 2020, 2021, 2022
- Winner of Sign Protocol – Most Creative Use Case 3rd place – Scaling Ethereum 2024
- Finalist – ETHGlobal Superhack 2024

Additional Training

January 2024 – June 2024 | Tallinn University | Tallinn, Estonia

- Worked in a team of 5 to develop a crowdfunding platform connecting donors with causes they care about.
- Used Next.js with Supabase and developed within agile sprints.

Volunteer Work

May 2024 | Latitude59 | Tallinn, Estonia

- I actively contributed to organizing and managing Estonia's premier tech event.

October 2021 - October 2022 | Strathmore University Student Council | Nairobi, Kenya

- Organized academic activities benefiting university students and voiced student concerns to the administration.

Khalifa Fumo

As a dedicated and enthusiastic software engineer, I thrive on creating efficient and impactful solutions. My diverse skill set spans various technologies, enabling me to excel in both independent and team projects, such as the ETHGlobal hackathons and my current work with Agent Commons. With international experience in Kenya, Estonia and Sweden, I bring a global perspective to my work. In my spare time, I enjoy playing chess, which sharpens my strategic thinking, and going to the gym, fostering discipline and balance.

▶ Work Experience

September 2025 – Present
Uppsala University | Department of IT | Uppsala, Sweden

Teaching Assistant

- Supporting labs, tutorials, and grading for Software Testing and Database Design courses.
- Enhancing teaching delivery by simplifying complex concepts and supporting learning.

February 2025 – Present
Agent Commons | Remote

Co-founder/Developer

- Building a decentralized framework for AI agents to collaborate, share resources, and earn tokenized rewards.
- Leveraging Supabase, The Graph Protocol, and IPFS for resource indexing and decentralized storage, CLIP and CLAP for multimodal semantic search.

March 2024 – June 2024
Tallinn University Centre for Educational Technology | Tallinn, Estonia

Project Manager/Developer

- Led a team of 6 in developing a platform to streamline and automate the creation of educational content, empowering teachers to focus on student engagement and personalized learning.
- Utilized OpenAI's APIs and interactive H5P templates to make engaging assessments.

January 2023 – March 2023
Kenya Power and Lighting Company | Nairobi, Kenya

Full-stack Developer

- Developed a web app, using Next.js and MySQL, that digitized the employee clearance process, resulting in at least a 50% reduction in clearance time and errors compared to the manual clearance process.
- Led a team of 5 to successfully complete the project within a tight 3-month deadline.
- Enhanced troubleshooting skills and applied best software development practices.

▶ Education

September 2024 – June 2026 (Current)

M. Sc. Machine Learning | Uppsala University | Uppsala, Sweden

- **Relevant Coursework:** Image Analysis, Data Ethics and Law, Linear Algebra for Data Science, Optimization, Statistical Machine Learning, Deep Learning, Data Engineering, Reinforcement Learning, Digital Imaging, Advanced Deep Learning for Image Analysis.

April 2020 – June 2024

B. Sc. Computer Science | Strathmore University | Nairobi, Kenya

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Web Development, Operating Systems, Database Systems, Human-Computer Interaction, Software Engineering, Distributed Systems, Systems Analysis and Design.
- **Award:** First-class Honors | CGPA: 14.95/20