Emmanuel O.P. Alabi

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Education

BSc Computer Science **June 2024 - Present**
University of the People | *Pasadena, California*
Relevant coursework: Software Engineering, Operating Systems, Computer Architecture, Digital Electronics

MCIT Cybersecurity Certificate **January 2026**
IBM Skills Build
Learned advanced technical skills in cybersecurity, such as security posture evaluation, vulnerability assessment, network architecture, cloud infrastructure security, security operations, and incident reporting.

CS50W: Introduction to Web Development **November 2023**
Completed an Introduction to Web development with JavaScript and Python, build six projects utilizing skills in HTML, CSS, Javascript, SQL and Python Django

High School Diploma **August 2019 - November 2023**
Acellus Academy | *Kansas City, Missouri*
High school education, took relevant coursework such as AP Computer Science and AP Statistics

Technical Skills

Languages: CSS, JavaScript, TypeScript, Python, SQL
Web Frameworks/Libraries: NextJS, Astro, Flask, Django, JQuery
Tools: Git, Github, VSCode, Supabase, NeonDB HuggingFace Inference APIs, Vercel

Work/Volunteer Experience

Web Developer **January 2023 - June 2024**
Comet Digital Ltd. Rwanda | *Kigali, Rwanda*
Built the company's official website and assisted with the development of client websites and company projects

Projects

emjjkk.tech - Personal Website
Built a static personal site using Astro and TailwindCSS with dynamic Markdown-based blog generation, JSON-driven content, and privacy-focused analytics integration

beat-detection - Beat detection scripts
Designed and implemented a Python-based beat and onset detection system using Librosa and Essentia, exporting professional EDL marker files for integration with DaVinci Resolve and video editing workflows.

markd.emjjkk.tech - Markdown Editor
Built a full-featured Markdown editor using Next.js and TailwindCSS with autosave, PDF export, and shareable publishing links, focusing on usability and client-side persistence