Mohamed Sow

Software Developer & Creative Technologist

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Software Engineering and Multimedia undergraduate with completed Diploma in IT coursework. I build practical applications, backend APIs and database-driven systems, including business software in early testing with one real-world user. My work also spans media production, branding and AI-assisted creative direction, supported by studies in networking fundamentals.

SELECTED PROJECTS

Business Management System - Inventory & Operations

Ongoing / early testing

Developing a React and TypeScript application with Supabase/PostgreSQL for product variants, stock movements, sales preparation and financial reporting. Testing with one real-world user to guide improvements.

Library Management System

Academic desktop application

Built with Python, PyQt5 and SQLite, connecting a desktop GUI with application logic, SQL and relational data persistence.

Concert Management REST API

Academic backend project

Developed REST endpoints with Python, FastAPI, SQLAlchemy and SQLite. The group project includes JWT authentication concepts and relational models for plays, showtimes, seats and tickets.

Cyber Girls

Academic web project

Created a multi-page HTML, CSS and JavaScript website exploring responsive layouts, navigation and information design for a cybersecurity education concept.

Coastal Flame

Fictional brand concept / MohTim Digital

Led brand direction and AI-assisted visual exploration with Timothy Kallon, covering logo concepts, color, typography and brand applications. Concept images; editable production artwork is still to be created.

EXPERIENCE & INITIATIVE

Amaze Television, Freetown

Presenter, Reporter & Video Editing Intern | 8 Apr - 10 Jul 2026

Presented international news; researched stories and scripts; produced reporting and voiceovers; supported editing, production and live-broadcast control-room processes.

MohTim Digital

Co-Founder - Creative & Technical Development | Early-stage initiative

Co-developed a digital-services initiative with Timothy Kallon. Contributed branding, visual direction, AI-assisted production, project development and service planning. Dates and current operating status unconfirmed.

EDUCATION

Bachelor of Science (BSc), Software Engineering and Multimedia

Limkokwing University of Creative Technology | Aug 2026 - 2028 (estimated)

Ongoing undergraduate studies.

Diploma in Information Technology

Limkokwing University of Creative Technology | Started Aug 2023

Academic coursework completed; formal award expected January 2027.

TECHNICAL & CREATIVE SKILLS

Development: Python, JavaScript, HTML, CSS, SQL; React, TypeScript; FastAPI, REST APIs, SQLAlchemy, JWT concepts; SQLite, PostgreSQL/Supabase; MySQL and MongoDB familiarity.

Networking studies: Cisco Packet Tracer, TCP/IP, IP addressing, subnetting, routing and VLAN fundamentals.

Design & tools: UI/UX, Figma, Photoshop, Premiere Pro, branding, AI-assisted creative production; Git, GitHub, VS Code, Postman.