

# Emmanuel Adekoya

[github.com/K-Sqr](https://github.com/K-Sqr) / [linkedin.com/in/emmanuel-koya](https://www.linkedin.com/in/emmanuel-koya) / [Portfolio Website](#)  
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## Education

### University of St. Thomas

St. Paul, MN

*B.S. Computer Science*

*Dec 2025*

- Relevant Coursework: Data Structures, Algorithms, Object Oriented Programming, Computational Linear Algebra, Information Security, Web Development, Computer Architecture, Computational Statistics

## Technical Skills

**Languages:** Java, Python, JavaScript, TypeScript, SQL

**Backend:** Node.js, Express.js, REST APIs, FastAPI

**AI/ML:** OpenAI API (GPT-4o), Vapi Voice AI SDK, NLP, Prompt Engineering, RAG

**Tools:** Git, Linux, Shell, Postman, Vercel, Railway

**Frontend:** React, Next.js, Tailwind CSS, HTML/CSS

## Experience

### Web Developer (Volunteer)

Sept 2024 – Present

*Deeper Life Bible Church*

*St. Paul, MN*

- Designing and developing a responsive church website to centralize event updates and member resources.
- Implementing modern UI principles to improve usability across mobile and desktop devices.

### Web Designer

Sept 2024 – March 2025

*Glorem Missions*

*St. Paul, MN*

- Designed and implemented mobile-responsive web pages to improve donor navigation and engagement.
- Translated organizational goals into structured UI layouts using user-centered design principles.

### IT Student Lab Assistant

Jan 2023 – Dec 2023

*Century College*

*White Bear Lake, MN*

- Resolved 50+ weekly software and hardware issues, improving operational efficiency for students and faculty.
- Conducted audits for 1,000+ lab devices, improving equipment tracking accuracy.

## Projects

**BenefitFlow -- Multilingual Voice AI for SNAP Eligibility | Python, FastAPI, Next.js, TypeScript, OpenAI API, Vapi AI | [github.com/K-Sqr/benefitflow](https://github.com/K-Sqr/benefitflow) | Feb 2026**

- Built a voice-driven AI assistant that guides users through food stamp eligibility screening across 28 languages.
- Integrated Vapi voice AI API with a FastAPI backend to handle real-time conversational flows and eligibility logic.
- Deployed full-stack application on Vercel (frontend) and Railway (backend) with CORS configuration, environment-based API routing, and transactional email delivery via Resend

**Drug Usage Analytics Web Server / Node.js, Express, SQL, Chart.js, HTML/CSS**

Sept 2025

- Implemented a dynamic web server that ingests drug usage data and transforms it into a relational database.
- Built a custom ETL pipeline to clean, normalize, and load data into SQL tables for efficient querying.
- Rendered queried data on dynamic web pages using server-side logic and templated views for real-time visuals.

## Training & Certifications

**CodePath Applied AI Engineering | In Progress, 2026**

Summer 2025

- Building AI-powered software using Anthropic's Claude Code in a curriculum developed with Anthropic engineers.
- Developing portfolio projects demonstrating applied AI engineering workflows and tool-assisted development.

## Leadership & Involvement

**Media & Technical Systems Assistant**

2018 – Present

- Manage and maintain audiovisual and livestream systems for 150+ annual services, leading a 5-member team to ensure reliable real-time operations.

**Math Tutor / Century College**

Januray 2024 –

August 2024

- Provided one-on-one and group tutoring sessions to students of various grade levels, improving their understanding of mathematical concepts and boosting test scores by up to **20%**

**ColorStack / University of St. Thomas**

Januray 2024 – August 2024

**National Society of Black Engineers (NSBE) / University of St. Thomas**

Januray 2024 – August 2024