

Covenant Adeogo

Computer Engineer / Full-Stack Developer / AI & Automation

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Portfolio: covenantadeogo.vercel.app

Education

2022–Present **Bachelor of Engineering (B.Eng.), Computer Engineering**, Covenant University, Ota, Ogun State, CGPA: 4.93/5.00
Relevant Coursework: Web Programming, Databases, Data Structures & Algorithms, Embedded Systems, Circuit Theory.

Technical Skills

Languages Python, Java, JavaScript (ES6+), SQL, HTML5, CSS3, C
Back-end/Cloud Node.js, Express, PostgreSQL, MongoDB, Docker, Firebase, REST APIs
Frontend React, JavaFX, CustomTkinter, Tailwind CSS, Figma
Tools Git/GitHub, Pytest, Pandas, Gemini API, Proteus (Circuit Simulation)

Experience

Aug–Sep 2025 **Technical Lead, Ascension Cup 2025**, Covenant University
○ Engineered **GemJudge v2**, a deterministic judging system using Python and Pytest to automate scoring for university coding competitions.
○ Reduced judging time by **80%**, compressing a 2-day scoring cycle into 2 focused hours via automated subprocess management.
○ Integrated Google's Gemini AI to provide real-time streaming feedback and intelligent ranking for 28+ participants.

Aug–Sep 2025 **Lead Web Developer (Project Lead)**, Tripledots Technologies, Remote
○ Spearheaded the complete redesign of the company website, bridging the gap between Figma designs and the production build.
○ Mentored peers on development best practices and enforced a reusable component system to ensure code maintainability.
○ Optimized website performance and responsiveness, ensuring compatibility across all device types.

2023–Present **Member / Creator**, Hebron Startup Lab (HSL), Covenant University
○ Active member of the Creators Community, contributing to software solutions and incubation projects.
○ Collaborated with cross-functional teams to prototype MVP solutions for campus-based startups.
○ Currently working as the Backend Developer for a startup- Echo.

Key Projects

2025 **GemJudge (AI Hackathon Evaluator)**, Python, CustomTkinter, Gemini API
○ Developed a desktop application that leverages LLMs to automate code evaluation with real-time feedback.
○ Implemented streaming responses to allow judges to view AI critiques instantaneously.

2025 **Orange Cart (E-commerce Platform)**, Java, JavaFX, MySQL, Maven
○ Built a full-stack e-commerce demo featuring a live MySQL product catalog and MVC architecture.
○ Identified and resolved critical concurrency bugs to ensure smooth transaction processing during simulated checkouts.

2024 **Semantic Book Recommender**, Python, Flask, Sentence-Transformers
○ Created an intelligent recommendation engine using vector embeddings.
○ Achieved **40% higher accuracy** than traditional keyword-based systems by leveraging semantic similarity.

2024 **Learning Progress Tracker**, Python, Tkinter, Pandas
○ Designed a gamified desktop application to track skill development.
○ Resulted in a **300% improvement** in learning consistency through interactive data visualization.