

Jeffery Owusu-Agyemang

[LinkedIn](#) | [Portfolio](#) | [Email](#)

Education

Grambling State University – Grambling, LA

May 2028

Major: Computer Science and Data Analytics | **Honors:** President's List | **GPA:** 4.0

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Full-Stack Development, Database Systems, Machine Learning

Skills

Languages & Frameworks: Python, JavaScript, TypeScript, React.js, Next.js, FastAPI, Node.js

Cloud & Database: Google Cloud, Docker, PostgreSQL, Redis, Supabase, SQL, Vercel

Data & Tools: Pandas, NumPy, scikit-learn, Git, GitHub, Tailwind CSS, OAuth2

Experience

Software & IT Specialist – Reenson Realty

May 2025 – August 2025

- Architected and developed custom property management system serving 15+ active listings, eliminating manual spreadsheet tracking.
- Developed custom database and automation scripts, reducing manual work by 50% and improving operational efficiency.
- Implemented secure PostgreSQL database with automated backup procedures, increasing reliability and accessibility of property and client data.

Projects

The Refraction – Healthcare Management App | React, TypeScript, Node.js, PostgreSQL

[\[Demo\]](#) [\[GitHub\]](#)

- Collaborated in a 5-person team to build a secure web app for optometrists, managing prescription data for 100+ simulated patients.
- Integrated AI-powered prescription assistance using Perplexity to suggest prescriptions, streamlining clinical decision-making.
- Integrated Mailjet and MessageBird APIs for automated email/SMS delivery, achieving 100% simulated success in testing.
- Streamlined patient onboarding with data import and prescription parsing, reducing manual entry time; project demoed externally.

AI Logo Generator | Next.js, React, FastAPI, Google Cloud Vertex AI, Docker, Redis

[\[GitHub\]](#)

- Architected and deployed an AI logo generation platform with OAuth2 authentication and cloud infrastructure.
- Built AI prompt system with business context and audience optimization, increasing logo relevance 40% through semantic analysis.
- Optimized backend with async FastAPI, rate limiting, and GCP auth, scaling to 50+ concurrent requests in <35s.
- Developed responsive React + TypeScript frontend with state management and validation, supporting 8 logo styles and achieving 95% user satisfaction.

Job Application Tracker | React, Supabase, PostgreSQL, Tailwind CSS

[\[Live Demo\]](#) [\[GitHub\]](#)

- Built full-stack tracker with Supabase backend and 17-stage pipeline, managing 200+ applications with real-time updates.
- Designed responsive dashboard with animated UI components, improving task completion speed by 40%.
- Engineered PostgreSQL schema with JSONB + SQL migrations, enabling complex queries in <150ms.
- Automated deployment via Vercel + GitHub CI/CD, delivering 15+ feature releases with 99.9% uptime.

Campus Involvement

Colorstack Grambling, Chess Club, African Student Association & Black Male Initiative