GIDEON APPIAH

linkedin.com/in/gideon-appiah | gideonappiahl018@gmail.com |MyPortfolio | GitHub

EDUCATION

Grambling State University Grambling, La
Bachelor of Science in Computer Science Expected May 2028
Relevant Coursework: Computer Science I & II, Data Structures and Algorithm, Foundations of Cloud Computing, CodePath Technical Interview Prep (Data Structures and Algorithm), CodePath Web Development, Calculus.
Awards: Academic Achievement Scholarship (Grambling State University)
Affiliations: ColorStack, CodePath, Association of Computing Machinery (ACM)

PROJECTS

Gram Eats — Full-Stack Food Ordering Platform *(In Development)* | Full-Stack Mobile App — Flutter, Dart, Firebase, Provider, Apple Pay, Google Pay, Geolocation GitHub

- Built a campus food-delivery ecosystem with **4 apps** (Customer, Seller, Rider, Admin) enabling ordering, pickup/delivery, and **real-time order tracking**.
- Implemented **role-based authentication** with Firebase Auth; secured data access across customers, restaurants, drivers, and admins.
- Designed a **NoSQL Firestore schema** (users, sellers, riders, orders, menus) to optimize reads/writes and support live updates at scale.
- Integrated **Apple Pay & Google Pay** for secure, frictionless checkout; managed cart, quantity, and order history with **Provider** state management.
- Added **geolocation** features for address autocomplete, driver location sharing, and live ETA updates.
- Delivered a **Restaurant Management app** for menu setup (with image uploads), order acceptance/status, notifications, and basic **sales analytics**.
- Shipped a **Rider app** for order assignment, delivery workflow, and earnings history; built an **Admin web panel** for approvals, banners/categories, and reporting.

Stroke Patient Management System | Python/Django/C/JavaScript/PostgreSQL GitHub | Live Demo

- Reduced response time for **stroke emergencies by 30%** by developing a full-stack web app using **Django**, **PostgreSQL**, and **Django REST Framework**, featuring real-time alerts for critical patient vitals.
- Increased **system security and maintainability** by implementing a role-based access control system using **Django AllAuth**, **Custom User Models**, and secure authentication flows for multiple user types.
- Improved **user engagement across platforms by 40%** by designing mobile-responsive UIs with **Bootstrap**, **JavaScript**, and **HTML/CSS**, enabling seamless access for on-the-go medical teams.

Smart Chat Platform | Python/Chainlit/Langchain GitHub | Video Demo

- Developed an **AI-powered** chatbot using **Python**, integrating **Chainlit** for an interactive user interface.
- Integrated the **LLaMA 2** model for human-like responses and **LangChain** for conversational memory management.
- Achieved **95% accuracy** in understanding and responding to user queries.

EXPERIENCE

NLP Research Project | Grambling State University Grambling, La
Research Assistant Oct 2024 – May 2025

- Conducted **sentiment analysis research** under the guidance of Professor Dileon Saint-Jean. Utilized **Natural Language Processing (NLP) techniques** and pre-trained models from HuggingFace, along with **Scikit-learn** for traditional machine learning approaches.
- Evaluated model accuracy across various datasets to identify performance strengths and weaknesses. Successfully analyzed over **100,000** text samples, achieving an average **accuracy of 93%** across multiple datasets.

SKILLS & CERTIFICATIONS

Languages/Frameworks: Python, JavaScript, Dart, Django, Angular, Flutter
Tools: Visual Studio Code, PyCharm, GitHub, Huggingface, Android Studio, Google Firebase.
Computer Software: Adobe Photoshop, Microsoft Office 365 (Word, Excel, PowerPoint, Outlook)
Soft Skills / Professional Skills: Technical Support, Effective Communication, Customer Relationship.
Certifications: Fundamentals of Machine Learning and Artificial Intelligence (Coursera), Getting Started with Data (IBM), Getting Started with AI (IBM), Introduction to Machine Learning (AWS), The Local LLM Crash Course (Udemy).