

GIDEON APPIAH

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EDUCATION

Grambling State University

Bachelor of Science in Computer Science

Grambling, La

Expected May 2028

Relevant Coursework: Computer Science I & II, Foundations of CyberSecurity, Foundations of Cloud Computing, CodePath Technical Interview Prep (Data Structures and Algorithm), CodePath Web Development.

Awards: Academic Achievement Scholarship (Grambling State University)

Affiliations: ColorStack, Codepath, Association of Computing Machinery (ACM)

SKILLS & CERTIFICATIONS

Languages: Python, HTML, CSS, JavaScript

Tools: Visual Studio Code, PyCharm, GitHub, Huggingface.

Computer Software: Adobe Photoshop, Microsoft Office 365 (Word, Excel, PowerPoint, Outlook)

Certifications: Fundamentals of Machine Learning and Artificial Intelligence (Coursera), Getting Started with Data (IBM), Getting Started with CyberSecurity (IBM), Getting Started with AI (IBM), Introduction to Machine Learning (AWS), The Local LLM Crash Course (Udemy).

PROJECTS

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.

Website Portfolio | HTML/CSS/Javascript

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

- Designed and implemented a personal website that highlights my skills, education, experience, and projects using **HTML**, **CSS**, and **JavaScript**.
- Used GitHub Pages to create a website showcasing my skills and work history, making it accessible to potential employers and partners.

Real-Time Weather App | Python/PyQt5

[GitHub](#) | [Video Demo](#)

- Built a Weather App using **Python** and **PyQt5** as my GUI Interface, and an API key from **OpenWeather** to get accurate weather data from every part of the world. Reduced user confusion by implementing detailed error messages for various HTTP errors, resulting in a **75%** decrease in support inquiries related to input errors.
- Successfully processed over **500 unique city queries** during testing, achieving a **98% success rate** in retrieving accurate weather data in less 1 second.

Qr-Code Generator

[GitHub](#)

- Designed a program that converts any URL into a **QRCODE** image using Python programming language and qrcode libraries.

EXPERIENCE

NLP Research Project | Grambling State University

Research Assistant

Grambling, La

Oct 2024 – Present

- 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.