

Ebenezer K. Acquah

Portfolio | eacquah@gsuemail.gram.edu | [LinkedIn](#) | [Github](#)

EDUCATION

Grambling State University

Bachelor of Science in Computer Science, Minor in Mathematics

Grambling, LA

Aug 2024 – May 2028

Relevant Coursework

Python programming, Data Structures & Algorithms, OOP (Java), Calculus I, II, Linear Algebra, Statistical analysis

TECHNICAL SKILLS

Languages: Python, Javascript, Java, C/C++, HTML/CSS

Frameworks: React, Tailwind, Nextjs, Nodejs, Firebase, Beautiful Soup, Scrapy, Bootstrap, pandas, NumPy, Matplotlib, Webpack, Tensorflow

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, Vercel, Redis, FastAPI

EXPERIENCE

Software Engineering Fellow

HeadStarter AI

Jul 2024 – Present

Long Island City, NY

- Collaborated with teammates to build 5 AI projects in 5 weeks, including an essay review web app, resulting in 1000 waitlist sign-ups
- Implemented and maintained a robust CI/CD pipeline on GitHub, ensuring seamless integration and deployment of code across teammates, which increased development and collaboration rates by 50%

Software Engineering Intern

University of Mines and Technology

Feb 2024 – June 2024

Tarkwa, Ghana

- Led the development of a hostel booking web application for over 2,000 students, easing the booking process and reducing manual errors by 80%
- Led the development of a thesis submission web application with React and nodejs, reducing submission time by 30+ minutes and increasing user satisfaction by 50%

PROJECTS

EquiLearn | *Python, Beautiful Soup, Flask-CORS, Google API, Web Scraping, Requests*

[Link](#)

- Developed an AI-driven web scraping application using Beautiful Soup to curate the top 5 rated free online learning resources from 4 websites, benefiting 100+ underprivileged students and reducing course selection time by 70%
- Developed an algorithm to analyze website engagement metrics (reviews, comments, likes) to recommend top free IT-related courses to underprivileged students in Ghana, driving a 90% increase in user interest

ChatGPT Chrome Extension | *JS, React, ChatGPT API, JSON, Manifest, Lexica API*

[Link](#)

- Built a ChatGPT Chrome extension that seamlessly integrates AI assistance into every text box on the web, reducing user's writing time by 30% across 15 different websites
- Integrated an image plugin using Lexica API, enabling real-time AI-generated image responses for visual prompts
- Boosted user productivity by 60% for writing, coding, and revision tasks through seamless in-browser AI integration, according to user feedback

Password Manager | *Python, pyperclip, JSON, SQL, Git*

[Link](#)

- Developed a robust password management system with JSON-based permanent storage, implementing AES-256 encryption to ensure data integrity and user privacy
- Built a time-efficient search engine using HashMaps / dictionaries and an in-built password generator
- Provided auto-fill and used the pyperclip library to automatically copy generated password to clipboard

Aboakyer-Online | *HTML, CSS, Javascript, Bootstrap*

[Link](#)

- Designed and launched a comprehensive website for the renowned Aboakyer Festival of Ghana, enhancing online accessibility and engagement for Ghanaians abroad
- Integrated real-time media highlights from the various cultural celebrations, providing visitors with an enriched experience through pictures and live videos