Ghailan Fayyadh

(804)-512-1332 | fagh3604@gmail.com | www.linkedin.com/in/ghalian-fayyadh |
https://github.com/GhalianF|https://portfolioghailan.netlify.app (Personal Site)

Education

Virginia Commonwealth University, Richmond VA	Expected Graduation **May 2026**
Bachelor of Science in **Computer Science**, Minor in Business (3.5/4.0)	Dean's List: Fall 2023, Spring 2024

Experience

Software Developer / Research Assistant

VCU Research Lab: Github Emotion Dashboard | Richmond, VA   December 2022 - May 2023

- Implemented **AI-driven algorithms to detect and classify 10 distinct emotions** in GitHub comments, significantly enhancing text sentiment analysis and emotional insight.
- Developed a user-tracking feature, allowing users to monitor emotional reactions to changes in their GitHub repositories, fostering greater engagement and feedback awareness.
- Engineered a responsive user interface using **Angular and ReactJS**, significantly improving user interaction and experience.
- Leveraged the **Charts.js library** to develop interactive data visualizations, enabling users to engage with the data for clearer insights and enhanced interpretation.
- Programmed and improved python data parsing scripts to efficiently **process over 9,000 comments**, **reducing parsing runtime by approximately 35%**
- Collaborated within a team of 6 developers, ensuring project alignment with requirements and objectives, and contributing to a cohesive and productive work environment.

Projects

ResumeBuddy | Personal project

- Integrated **OpenAIs's model 3.5 API**, granting users the ability to receive **feedback on their resume** or **extract ATS (Application Tracking System) words** from job descriptions
- Used **reactJS** to design the frontend, resulting in an **intuitive and responsive user interface**
- Deployed the application via Netlify, ensuring accessibility for users across the internet.
- **Secured** site by ensuring API keys are hidden in env file, and enabling 2 factor authentication on API and other critical accounts, **preventing potential abuse**

EchoNote | VCU Hackathon

- Participated in the collaborative development of a cutting-edge web application using **Python, HTML, JavaScript, and CSS** allowing users to effortlessly transcribe notes from various input methods, including manual text input, speech recognition, and audio file uploads.
- Integrated **OpenAI's Whisper API** to provide advanced speech-to-text capabilities and **Google Gemini API** for intelligent text summarization, enhancing the application's transcription and summarization
- Capitalizing its intuitive features, I experienced a notable 30% increase in efficiency compared to traditional methods.

Calorie Tracker GUI | Personal project

- Designed and developed the graphical user interface (GUI) with **Java Swing**, creating a user-friendly and consistent UI
- Implemented serialization, allowing **data retrieval** and reuse of nutrition metrics and GUI color scheme(s) **beyond runtime**

Certifications / Skills / Familiarities

AWS Cloud Practitioner | JavaScript | Angular | React | Java | Python | HTML | CSS | Git / GitHub | C | C++ | C# | Linux / UNIX | Software Engineering | Full Stack Development | SQL | Cloud Computing | .NET | Backend Development |Object Oriented Programming (OOP) | JSON | Documentation | Web Development | Data Science