Ghailan Fayyadh

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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 — January 2023 - May 2023
- Leveraged artificial intelligence to accurately **identify and classify 10 distinct emotions** in GitHub comments
- Developed the application's frontend using **ReactJS**, resulting in a highly responsive and interactive user interface
- Employed **Charts.js library** to visualize complex data sets, improving data comprehension and readability
- Programmed scripts that parsed through data to have it displayed on the frontend, **processing over 6000 comments**
- Collaborated in a team of 6 programmers to ensure alignment with project requirements and objectives, fostering 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 site by utilizing **netlify**, enabling it to be **accessible 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, and JavaScript**, 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

AWS Cloud Practitioner | JavaScript | React |Java | Python |HTML | CSS | Git / GitHub | C | C++ | Linux / UNIX | Angular | Software Design | Full Stack Development | SQL | Cloud Computing |Backend Development |Object Oriented Programming (OOP) | JSON