Joe Hachache

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ABOUT ME

I am a dedicated and curious computer science student with a strong passion for software development, AI, and web development. Known for my hardworking nature, I am eager to apply my knowledge to real-world challenges through an internship that can pave the way to long-term employment. I am committed to continuous learning and contributing to innovative projects that make a meaningful impact.

EDUCATION

- **Lebanese University:** Beirut, Fanar BA in Computer science Sep 2021 – July 2025 (Expected).

- **Coursera certificates: (IBM's Courses)**

  1. Introduction to Artificial Intelligence (AI).
     Verify at https://coursera.org/verify/096KV1N31SVY

  2. Introduction to Software Engineering.
     Verify at https://coursera.org/verify/GZF48NZBSHWF

  3. Generative AI: Prompt Engineering Basics.
     Verify at https://coursera.org/verify/33MG92ALCCCQ

  4. Introduction to HTML, CSS, & JavaScript.
     Verify at https://coursera.org/verify/ZFSNJQV8LD5X

  5. Generative AI: Introduction and Applications.
     Verify at https://coursera.org/verify/E2M0HZ36SP3I

  6. Building Generative AI-Powered Applications with Python.
     Verify at https://coursera.org/verify/HQERA24XNHZU

  7. Python for Data Science, AI & Development.
     Verify at https://coursera.org/verify/2R2GF4D41VTI

  8. Developing AI Applications with Python and Flask.
     Verify at https://coursera.org/verify/FD3PP5UPRIO4

  9. Generative AI Elevate your software development career.
     Verify at: https://coursera.org/verify/L4A286A49UT0

  10. Software Developer Career Guide and Interview Preparation.
      Verify at: https://coursera.org/verify/IHTQ9U8DF04B

By completing these 10 courses, I got an IBM AI developer professional certificate.
Verify this certificate at:
https://www.coursera.org/account/accomplishments/professional-cert/Z8I31FZDR20J

NOTE: While learning these courses, I had the chance to make a lot of guided projects like building a chatbot that accepts inputs as audio wav and text , and outputs the results by text or audio wav using TTS (text to speech) and STT (speech to text) APIs provided by Watsonx. Also It can accept PDFs as inputs, uses the Llama 2 LLM that is provided for free only for this course to analyze the PDF and give a summary about the content of that PDF. To achieve all of that, I had the chance to work with a lot of LLMs, Flask (Python lightweight framework) and HTTP requests and response to send the data to the LLMs and retrieve their responses

PROJECTS (University)

1. Front-End final project for an insurance company (not an existing company). I Used HTML, CSS and JavaScript languages while using my local storage as a way to transfer the user's information of the signup page into the personal page. This event is done using the JSON file. This Website is also responsive so it can be opened in any device.

2. Front-End interactive website for a Call Center Company while having buttons that redirect the user to contact the management whether by What's App or by Email. In addition, a page to apply for different job positions at this company. Also, this website is responsive.

3. Database final project with 1 admin user using SQL language in SQL developer software for an Aerospace Company (imaginary company): Created tables with constraints on its fields. Then retrieving data from these tables using SQL queries. Designed an ER diagram which is also converted to an EER diagram for better understanding the project are also included in its presentation.

4. VBA Excel Final Project for a Group of Three Students in Canada. Developed an Excel application using VBA to automate data extraction and analysis. The data was provided as comma-separated text files, which were extracted and loaded into a datasheet. A button was assigned to this function, allowing the user to select and load the desired text file. Another button was assigned to a separate function that analyzes the loaded data and visualizes the results as plots and numerical summaries.

SKILLS & CAPABILITIES

- **Languages**:
  English (fluent), French (fluent), Portuguese (basic), Arabic (Native).
- **Technical Skills**:
  Python, Java OOP, SQL, C, CPP, HTML, CSS, JavaScript, VBA Excel.
- **Soft Skills**:
  Fast learning while accepting any feedback or suggestion about work, Communication skills and a good time management.

EXPERIENCE & VOLUNTEERING

1. Volunteered with the Red Cross for one year, gaining experience in First Aid, communication skills, emotional intelligence, body language, and disaster management, focusing on human body conditions.

2. 1 year as a camera assistant in TWINS PRODUCTION.

3. More than 3 years of experience in hotels and restaurants services.