

Joe Elie Sarkis

Junior AI Engineer | Computer Engineering Graduate | LLM, RAG & Backend Projects

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PROFESSIONAL SUMMARY

Computer Engineering graduate pursuing an MSc in Computer and Communication Engineering and an AI & Data Science diploma at AUB. Strong foundation in Python, backend/API development, SQL, applied AI, and full-stack systems. Built AI-driven and software projects using OpenAI API, computer vision, Gradio, React, ASP.NET Core, and SQL. Interested in production AI applications, RAG systems, APIs, and deployment.

TECHNICAL SKILLS

AI / ML / LLMs	Python, pandas, scikit-learn, TensorFlow foundations, computer vision, OpenAI API, RAG concepts, prompt engineering
Backend / Data	ASP.NET Core, REST APIs, SQL Server, MySQL, database design, authentication, API integration
Frontend / Tools	React, JavaScript, HTML/CSS, Gradio, Git, GitHub, Visual Studio, VS Code
Currently Strengthening	FastAPI, Docker, cloud deployment, LangChain, Chroma/FAISS, Hugging Face Spaces

EDUCATION

Graduate Professional Diploma in Artificial Intelligence & Data Science | American University of Beirut (AUB) - Online | *Aug 2025 - May 2026*

Master of Science in Computer and Communication Engineering | Lebanese International University (LIU), Beirut | *Oct 2024 - Jun 2026*

Bachelor of Science in Computer Engineering | Lebanese International University (LIU), Bekaa | *Oct 2021 - Jun 2024*

EXPERIENCE

Full-Stack Web Development Intern - IDS Academy (Remote) | *Jul 2025 - Sep 2025*

- Built SmartMeeting features using React, ASP.NET Core, SQL Server, and Clean Architecture.
- Implemented booking logic, conflict prevention, invitations, calendar views, MoM management, and PDF export.

Coding Instructor - Geek Express (Remote) | *Mar 2023 - Oct 2024*

- Taught JavaScript and block-based coding, strengthening students' problem-solving and algorithmic thinking.

Volunteer & Facilitator - Lebanese Red Cross, Zahle | *Dec 2019 - Dec 2025*

- Led awareness sessions and coordinated events engaging 200+ participants.

SELECTED PROJECTS

NomadScholar AI - Bilingual RAG Assistant (AUB LLM Course Capstone - Planned / In Progress)

- Designing an English-Arabic RAG assistant for scholarship and university applications using official sources.
- Planned stack: Python, LangChain, Chroma/FAISS, multilingual embeddings, OCR, Gradio, and Hugging Face Spaces deployment.

ASL-to-Speech Recognition Robot (Master Thesis - Ongoing)

- Developing a Jetson Nano-based system using Python and computer vision to translate ASL hand signs into text and speech output.

AI Journal Assistant

- Built a journaling app using Python, OpenAI API, and Gradio with a clean UI and robust error handling.

Smart Meeting Room & Minutes Management System

- Developed a full-stack system with React, ASP.NET Core, SQL Server, calendar views, room booking, invitations, MoM management, and PDF export.

Market Basket Analysis - Instacart Dataset

- Applied association rule mining to discover purchasing patterns from real-world transaction data.

LANGUAGES

Arabic: Native | **English:** Professional | **French:** Professional