Sara Ibrahim

Computer Science graduate student with a strong focus on artificial intelligence and backend development. I have demonstrated programming proficiency and a capacity for rapid learning, and am actively seeking opportunities to contribute innovative solutions to the progressive tech field.

Beirut, Lebanon   +961-70755453
https://www.linkedin.com/in/sarah-ibrahim-819660247   ibrahimhsarah@gmail.com

EDUCATION

Masters of Computer Science | AUB   **Fall 2025- Expected Fall 2027**
Bachelors of Computer Science | LAU   **Spring 2022 - Fall 2024**

PROFESSIONAL EXPERIENCE

Artificial Intelligence Engineer   **Apr 2024 - Present**

Artificial Intelligence Intern

Siren Analytics - CME Offshore

- Developed NLP solutions in edtech and legal tech, focusing on legal chatbots, document processing, RAG systems, LLMs, NLP, OCR, RabbitMQ, AWS, and FastAPIs solutions
- Leading an agentic assistant system project, with an emphasis on R&D, offline models, vector dbs, and team collaboration, voice agents, code reviews and deployments,

Academic Teaching Assistant   **Aug 2025 - Present**
AUB

- Delivering lecture and recitation sessions on Discrete Mathematics and Structures for over 40 engineering and computer science students

Backend Development Intern   **Jul 2024 - Aug 2024**
CreoHub

- Completed internship program focusing on PHP, Laravel, API development, database management, user authentication, and role-based permissions through a flights management project

Technical Team Lead   **Jan 2024 - Dec 2024**
All Girls Code, AUB

- Led a the technical team to organize and execute national and global events and workshops promoting technology for young women especially in the MENA region

Lab Teaching Assistant   **Sep 2022 - Dec 2022**
LAU

- Provided comprehensive guidance in Java and Python to students during laboratory sessions to ensure a understanding of programming principles, in addition to tutoring of subjects as Theory of Computation

STEM Content Developer   **July 2022 - Jan 2022**
Umda.org

- Crafted coding and mathematics exercises to align with high school STEM curriculum objectives while incorporating Arabic language elements

ACADEMIC PROJECTS

Smart Academic Research Assistant   **Fall 2024**
                                                                      Grade: A
- Developed an AI-powered web platform that streamlines the research process by integrating topic-based paper search, automated summarization, an interactive research RAG chatbot with PDF support, an academic events portal, an opportunities tracker, and a personalized user dashboard using Python, FastAPI, React, and Nextjs

Web Development of TechReady Website   **Fall 2023**
                                                                      Grade: A
- Developed "TechReady," a dynamic and responsive website designed to prepare tech students for technical and HR interviews. Implemented both frontend and backend using CSS, HTML, JavaScript, jQuery, and PHP, ensuring a seamless user experience

Arabic Optical Character Recognition   **Fall 2024**
                                                                      Grade: A
- Generated and augmented a dataset of Arabic words and fine-tuned an open-source Optical Character Recognition (OCR) model, achieving 92% accuracy. Added a Large Language Model (LLM) post-processing step to enhance recognition quality

VOLUNTEER ACTIVITIES

- Beirut AI DataCamp Member.
- Computer Science Club Member at LAU
- Social Work Club Member at LAU.
- GDG Volunteer and DevFest Organization