

Moustapha Haydoura

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Beirut, Lebanon

EDUCATION

American University of Beirut, Beirut, Lebanon

Expected Graduation June 2027

HES-USP Scholar – Awarded a full merit scholarship under the University Scholarship Program. BS in Computer Science. Enrolled: spring 2024.

Relevant coursework: Database Systems, Design & Analysis of Algorithms and Data Structures, Computer Architecture, Software Construction, Software Engineering, Computer Graphics.

Lycée Hanaway, Tyre, Lebanon

Graduated July 2023

Lebanese Baccalaureate – General sciences – French section

PROFESSIONAL EXPERIENCE

Fake News Detection (Collab with CY Cergy Paris Université Students, France)

February-present

- Built an NLP classifier (TF-IDF + Passive-Aggressive) to label news as REAL/FAKE.
- Evaluated with accuracy + confusion matrix (train/test split).
- Tools: Python, scikit-learn, pandas, Jupyter

Undergraduate Research Assistant, Beirut, Lebanon

October-present

- In progress: Toward Safer Construction Sites: A Cognitive Digital Twin and Autonomous Robotics Approach.

City Performance Index Database, Beirut, Lebanon

September-December 2025

- Collaborated with 3 classmates on a city performance database system.
- Designed MySQL/SQLite schema with views and indexes; implemented analytical SQL.
- Built Python (Pandas/Matplotlib) visualizations and a simple web UI for KPIs.

Amazon Industry Program – Machine Learning Track

June-September 2025

Apprenticeship with Amazon & WIE AUB, mentored by Amazon ML engineers.

- Built AccessAble, an inclusive platform with AI job recommendations and content moderation.
- Implemented secure authentication and accessible UIs using Next.js, TypeScript, Supabase.

Dots and Boxes game, Beirut, Lebanon

January-April 2025

- Built a terminal-based Dots & Boxes game in C with a 3-person team; used Git/GitHub.
- Implemented PvP and PvE (bot) with 3 difficulty levels.
- Used peer code reviews to improve code quality and teamwork.

EXTRACURRICULAR ACTIVITIES

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- Model ESCWA, organized by UN-ESCWA, AUB, and USJ | **January-present**
 - Member of Lebanese Red Cross Youth | **January-September 2025**
 - Assessment team member at Offre Joie | **September-November 2024**
 - Volunteer at Haven's Hemodialysis Program | **October 2023-May 2024**

WORKSHOPS & CERTIFICATES

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- HES workshop series: Taxation, Human Rights, Entrepreneurship, Job Readiness | **January 2026**
 - Certificate of participation in Amazon industry program 4.0 | **May 2025**
 - Certificate of participation in Bug Bounty workshop by semicolon | **April 2025**
 - Certificate of participation in Software Engineering workshop (GDG AUB) | **February 2024**

SKILLS & LANGUAGES

Technical Skills: Java, C, HTML, CSS, JavaScript, Git, React, SQL Python, C++, Assembly, Jira, Spring boot

Soft Skills: Teamwork and collaboration, Communication, Initiative.

Language: Fluent in Arabic-French-English.