

# Mostafa Faour

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## Education

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American University of Science and Technology (AUST), Lebanon

Master's Degree in Artificial Intelligence

Oct 2025 – June 2027

Computer Science Graduate

Oct 2022 – June 2025

Relevant Coursework in Computer Science: Machine Learning/ (ML -AI) - Database System/ (MongoDB, PostgreSQL) – Node.js Programming/JavaScript - .NET Programming/C# - Web Development/HTML/CSS/JS/PHP – Data Science–Object Oriented Programming/Java–Python - Introduction to Programming/C++

## Work Experience

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Backend Developer – Sowolutions

June 2025 – Present

- Developing backend features and fixing bugs using Ruby on Rails.
- Collaborated on version control and code reviews using GitHub.
- Worked with Docker for containerization and deployment.
- Assisted with server management, including staging environments.

Backend Intern - InBalance

April 2025 - May 2025

- Building backend for a women's health platform using Firebase and Firestore.
- Integrated Google Calendar, Meet, chatbot data, and OpenAI API for summaries.
- Leading backend logic and collaborating in weekly agile sprints.

## Projects

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Multi-Agent AI Research Assistant

- Developed a multi-agent system using FastAPI, LangGraph, and OpenAI to automate literature review, gap detection, and hypothesis generation.
- Implemented agent collaboration, structured information extraction, and literature-grounded reasoning with PostgreSQL + pgvector.
- Fully Dockerized backend with caching and cost-control mechanisms for real-world research workflows.
- GitHub: <https://github.com/MIF20009/research-agent>

Instagram AI Commerce Chatbot

- Built an intelligent product-aware chatbot using Python, PostgreSQL, and the open AI API.
- Supports automated replies to DMs, stories, and ad interactions on Instagram.
- Integrated with Meta Graph API for real-time message handling and product recognition.
- GitHub: <https://github.com/MIF20009/conversa>

Student-X Platform

- Built a full-stack web platform using Node.js and React tailored for AUST students.
- Implemented key features including buying/selling between students, tutoring, dorm listings, and in-site chat.
- Focused on a smooth user experience with dynamic content and real-time interaction.
- GitHub: <https://github.com/Mahmoudhijazii/Acadex>

AI CV Builder

- Developed a full-stack web app using Node.js, React, and the OpenAI API.
- Users input personal and professional data, which is processed via AI to generate a polished CV.
- The system dynamically creates a professionally formatted PDF, ready for download.

## Workshops & Certifications

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- Machine Learning A-Z - Udemy
- Full Stack Web Development Workshop - MUC University

## Summary Skills

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Languages: Fluent in both English and Arabic

Computer skills & Languages/Frameworks: Ruby on Rails, Node.js, Docker, .Net, FastAPI, Django, Agentic AI, n8n, LangGraph, LangChain, GitHub, SQL, Python, TypeScript, JavaScript, C++, Java.

Soft skills: Communication and Collaboration, Flexibility, Analytical and Problem Solving.