

# Curriculum Vitæ

Hadi Mahdi

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Date of Birth: 16th of July 2000

Nationality: Lebanese

## Education

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- **2023–2026 (expected)** B.S. in Computer Science – The Lebanese University
- **2022–2023** M2 in Subatomic Physics – The Lebanese University  
*Thesis: Simulation of particles for the milliQan experiment (C++, Linux, Python)*
- **2021–2022** M1 in Fundamental Physics – The Lebanese University
- **2018–2021** B.S. in Physics – The Lebanese University

## Technical Skills

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- **Programming:** Java, Python, C, C++, MATLAB, Bash
- **Database:** SQL, MongoDB
- **Operating Systems:** Linux , Windows
- **Scripting:** Bash, Shell scripting
- **Web Technologies:** HTML, CSS, JavaScript, React, Node.js, Express, Flask
- **Tools:** Git, LaTeX, Excel, PowerPoint, Word
- **Simulation Software:** Geant4, ROOT, MadGraph5, Pythia

## Experience

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- **STEM and Mathematics Teacher, Lab Assistant**, Al-Kawthar High School (Sep 2025–Present)  
Teach STEM for grades 7 and 8, and mathematics for grades 9 and 10. Assist in Physics and Chemistry labs by supporting hands-on experiments and encouraging student engagement in STEM activities.
- **Physics and Mathematics Teacher**, Al Hikmeh High School (Sep 2024–July 2025)  
Taught physics and mathematics to grades 9–11. Enhanced communication and teamwork skills through collaborative educational planning.
- **Thesis Researcher**, The Lebanese University (2022–2023)  
Simulated particle behavior for the milliQan experiment using C++, Python, and Bash in a Linux environment. Applied analytical and technical skills in a research setting.

## Courses and Certifications

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- CS50: Introduction to Computer Science – Harvard University

- CS50's Introduction to Programming with Python – Harvard University
- Introduction to Databases with SQL – Harvard University
- Artificial Intelligence for Everyone – ZAKA Academy
- Applied AI Lifecycle – Beirut AI
- Cloud Computing Foundations – Google Cloud
- Google Cloud Data Analytics Certificate – Google Cloud
- Diving into Azure AI Challenge – Microsoft Learn
- Getting Started with Python for Data Science – ZAKA Academy

## Languages

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- **Arabic:** Native
- **English:** Fluent