

# Jimmy Jokhadar

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🌐 Jimmy Jokhadar

📍 Beirut, Lebanon

👤 jimmyjokhadar

## Education

- 2023 – present    📖 **Master of Science in Computational Science, American University of Beirut**  
Coursework completed with a GPA: 4.0/4.0  
Currently working on my thesis on a machine learning optimization project.  
Expected graduation date: August 2025.  
**Coursework:** Statistical Learning, Machine Learning, Parallel Computing, Optimization Techniques, Privacy and Security.
- 2020 – 2022    📖 **Master of Science in Nanoscience and Functional Materials, Lebanese University**  
*Thesis: Quantum Machine Learning for Finance.*
- 2017 – 2020    📖 **Bachelor of Science in Physics, Lebanese University**

## Experience

### Graduate Research Assistant

- 2024 – present    📖 **Graduate Research Assistant, American University of Beirut**  
Developing a machine learning optimization project to improve the performance of training neural networks.  
Writing Python - PyTorch code and training on High-Performance Computing (HPC) clusters.  
Conducting weekly meetings with the advisors to discuss the progress and the next steps.

### Graduate Assistant

- 2023    📖 **Physics 205L: Modern Physics for Life Sciences Laboratory**  
**American University of Beirut**
- 2023 – 2024    📖 **Physics 211L: Electricity and Magnetism Laboratory**  
**American University of Beirut**
- 2024    📖 **Data Digitization and Analysis**  
**American University of Beirut**  
Assisted in the digitization of geological data for the Geology Department.

### Instructor

- Summer 2023  
and Summer 2024    📖 **Physics 211L: Electricity and Magnetism Laboratory**  
**American University of Beirut**  
Led undergraduate physics labs, guiding students in conducting experiments, analyzing results, and applying theoretical principles to practical situations.  
Prepared weekly lab activities and quizzes, and graded lab reports.














## Skills

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### Languages

- Fluent in
- 📖 **English:** Fluent
  - 📖 **French:** Fluent
  - 📖 **Arabic:** Native
  - 📖 **Deutsch:** Basic

### Programming Languages

- Proficient in
- 📖  **Python** (PyTorch, TensorFlow, Scikit-learn, Numpy, Matplotlib, etc.)
  - 📖  **SQL**,  **MATLAB**,  $\text{\LaTeX}$
  - 📖 Operating Systems:  **Linux**,  **MacOS**  **Windows**,
  - 📖  **Microsoft Office**  **Git**
- Familiar with
- 📖  **JAVA**,  **CUDA**
  - 📖  **HTML**,  **CSS**
  - 📖  **Power BI**

## Certifications

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- 2024
- 📖 **Python for Everybody Specialization**  
*University of Michigan on Coursera*
  - 📖 **Harnessing the Power of Data with Power BI**  
*Microsoft on Coursera*  
(5/8) more courses to complete the specialization
- 2023
- 📖 **Supervised Learning with scikit-learn**  
*DataCamp*
  - 📖 **Unsupervised Learning in Python**  
*DataCamp*
- 2022
- 📖 **Introduction to Structured Query Language (SQL)**  
*University of Michigan on Coursera*
- 2020
- 📖 **Introduction to Data Science in Python**  
*University of Michigan on Coursera*
  - 📖 Additional certifications can be found on my LinkedIn profile.

## Interests

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- 📖 **Artificial Intelligence:**  
Machine Learning, Deep Learning, LLMs.
- 📖 **Quantum Computing:**  
Winner of AUB's Quantum Computing Hackathon 2025.
- 📖 **Educational Engagement and Leadership:**  
Teaching, Mentoring, and Volunteering.
- 📖 **Percussion:**  
Studying oriental rhythms and learning to play the darbuka.