

# Asmaa Hadir

asmaahadir11@gmail.com

Github: [AsmaaMHadir](#) | LinkedIn: [AsmaaHadir](#)

## PROFESSIONAL EXPERIENCE

### Python Developer (Open Source), Unify

Remote, Morocco  
May 2023-Present

- Reduced code conversion time by 30% between Numpy and PyTorch by implementing critical tensor operations in our library's frontend API, translating to a faster development process and more efficient model deployment.
- Enhanced our machine learning framework's reliability by developing comprehensive PyTest test suites. Resulting in a significant reduction in post-release issues, improving overall software quality and ensuring a 20% increase in client satisfaction.

### Machine Learning Research Intern, Mentalyc Inc.

Remote, Lebanon  
February 2023 – May 2023

- Performed audio transcription and speaker segmentation for therapy session audio recordings using OpenAI models, Transformers, and clustering algorithms. Resulting in a 30% reduction in therapist manual annotation time, or an equivalent of 15 hours of saved workload per week.
- Improved OpenAI's text models' performance in text summarization tasks by implementing prompt engineering techniques, resulting in a 20% reduction in the average length of documents while maintaining 95% content retention alongside a 15% increase in text summarization speed.

### Business Process Consultant Intern, Global Gate Capital

Beirut, Lebanon  
July 2022 - October 2022

- Optimized operational efficiency within the wealth management department, responsible for overseeing \$4+ billion in valued assets. Resulting in a 20% reduction in average transaction processing time, a 15% increase in client satisfaction, and a 10% reduction in operational costs.
- Enhanced senior management's decision-making by creating process efficiency KPI dashboards and presenting automation use cases. Leading to a 15% increase in data-driven decision accuracy and a 10% reduction in manual process time.

### Data Scientist Intern, Lemonade Fashion

Beirut, Lebanon  
May 2021 - August 2021

- Improved the user experience by developing a machine learning model that boosted clothing recommendations' accuracy. Resulting in a 23% increase in click-through rates and a 15% increase in conversion rates.
- Built a database with collected user-item interaction data using Python, ReactJs, and AWS. Leading to a 20% improvement in real-time user behavior tracking and analysis.

## EDUCATION

### American University of Beirut (AUB)

Bachelor of Science in Computer Science

Beirut, Lebanon  
August 2018-August 2022

- Selected as a Moroccan high school student by the **US Department of State** and the **US Embassy** in Rabat for the MEPI's Tomorrow's Leaders Undergraduate Scholarship program, securing a **full scholarship** to undertake studies at AUB.
- **Relevant Coursework:** Data Science, Statistics, Discrete Mathematics, Networks, Software Engineering, Computer Architecture

## PROJECTS

- [DocGenerator](#): Developing a GitHub application to automate documentation for open-source projects. (NodeJS, FastAPI, MongoDB)
- [KeyWise](#): Led the creation of an AI-powered keyword mapping directory using RAG architecture for Atlassian's Confluence.
- [Math Grade Predictor](#): Flask app that generates a prediction of a student's Math exam grade using Linear Regression.

## SKILLS

- **Technical:** Python (Scikit-learn, PyTorch, Numpy, Pandas, Matplotlib), C++, JavaScript, NodeJS, ReactJs, MongoDB, FastAPI, REST API, PowerBI, T-SQL, Git, Azure, Hypothesis testing, A/B testing.
- **Leadership:** Attention to details, Continuous Learner, Insights' Presentation.
- **Languages:** English, Arabic, French