Ahmad M. Mustapha
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About Me	
	I offer a skill set that is rarely found, combining roles as an AI Engineer, Backend Developer, and System Designer. My experience spans both academia and industry, covering a wide range of domains including Machine Learning, Artificial Intelligence, Data Science, and Backend Development. I thrive in roles that challenge me to think creatively, solve complex problems, and apply strong analytical skills.

Education

From 2024 to present	**American University of Beirut (AUB)** Doctoral Researcher	Beirut, Lebanon
From 2018 to 2020	**American University of Beirut (AUB)** Master in Electric and Computer Engineering Major in Machine Intelligence **GPA:** 4	Beirut, Lebanon
From 2015 to 2017	**Lebanese University** Master in Information systems and Data Intelligence **Rank**: 1/13	Beirut, Lebanon
From 2012 to 2015	**Lebanese University** Bachelor in Computer Science	Beirut, Lebanon

Experience

From 2024 to Present	**AI Lead** Holonox • Lead and contributed to the development and maintenance of a multiservice application • Set up the architecture • Flask, Django, Docker, AI APIs	Beirut, Lebanon
From 2023 to Present	**Founder and Lecturer** Mustapha Technology Institute – Seasonal Side Gig • Educational startup to fill educational gaps • Taught and developed learning materials • E.g. Intro. to machine learning – Online presence for developers – Intro to Python – CV building	Beirut, Lebanon
From 2022 to 2023	**Career Break** Traveled – Learned New Language	

From 2021 to 2022	**Java Developer** Murex • Maintained a business module • Agile Methodology • Java, Python, Spring, Spring Boot, Open API, REST, …	Beirut, Lebanon
From 2020 to 2021	**Machine Learning Engineer** Veer • Managed a Machine Learning project from A to Z • The project was related to Traffic Management • Data Cleaning, Data Munging, Data Visualization • Prediction. Python, RNNs, LSTMs, Regression, Pandas, NumPy, Plotly, Dash.	Beirut, Lebanon
From 2018 to 2020	**Research Assistance** American University of Lebanon (AUB) • Implementing/Improving Bleeding Edge Unsupervised Deep Learning Models • Neural Networks Adversarial Samples • Unsupervised Deep Learning • Software Engineering Interaction with Machine Learning	Beirut, Lebanon
From 2018 to 2020	**Multidisciplinary Engineer** Self-Employed – Different Clients • Computer vision models to detect vehicles in a tropical reserve in Africa. • Computer vision models to detect illness through lung X-ray images • Python Script to scrape and sort by price selected goods from different online providers • Several Data Science and Machine Learning projects	Beirut, Lebanon
Spring 2018-2019 **Fall 2019-2020**	**Teaching Assistance (277 hours total)** American University of Lebanon (AUB) • Teaching Introduction to Programming C++ / Matlab • Teaching Computer Organization VHDL/PIC • Software Tools (QT/Doxygen/Make Files/Unit Tests)	Beirut, Lebanon

From 2017 to 2018	**Research Intern**	Versailles, France

University of Versailles (UVSQ)

- Handling Multidimensional Data from Moving Air Pollution Sensors
- Use **R** libraries to transform data into functions
- Implement a **Spark/Scala-based** framework to read sensory values, interpolate them into functions, apply analysis on them, …

Skills

Languages: Fluent in English and Arabic.
Soft Skills: Communication, Teamwork, Setting Goals, Planning

Technical Skills: Python, Flask, Docker, Django, Scikit Learn, Pytorch, Hugging Face

References

Dr. Wes Masri, Professor at George Mason University, US, wmasri@gmu.edu

Portfolio

For more interesting details check my online portfolio or scan the QR code

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