Mhamad Farid Abbara

Computer and communications
Engineer | AI enthusiast

Address:Lebanon-Beirut

Tel: +961 79 324 322

E:mohammadabbara2001@gmail.com

Education	**Faculty of engineering-Lebanese university-Beirut** 2021-2024: Computer and communications engineering *Courses: C/C++, C#, Python, Java, Databases MySQL,* *Cloud(AWS), OOP, Machine learning ,AI…* 2019-2021: Common trunk*: 2 years of intensive study in Math, Physics,* *Statistics, Programming* **Lebanese Baccalaureate degree in general science 2019** *(18 / 20)*
Internships	Summer 2023: RAN intern at Huawei technologies: *-Learned all Telecom radio technologies, principles, devices…* *-Used Excel/ PowerBI to organize work and data related to devices.* *-Did multiple presentations in front of company experts from China, Jordan,* *Lebanon… to prove my experience and growth.*
Projects	Automatic RF planner using multi-agent reinforcement learning (FYP): *-Training of multiple neural networks using PPO algorithm + LSTM(Pytorch).* *-Used Pandas, Numpy python libraries to manipulate and preprocess the* *data generated into csv files by the custom environment.* Kaggle projects and competitions (Transactions, shopping, etc predictions): *-Data preprocessing, cleaning, feature engineering and pipelining using* *sklearn, pandas, numpy, seaborn…* *-Creating and tuning of different ml models (neural networks,* *ensembles, stacking…)to achieve highest accuracy.* - Object detection to recognize traffic signs(Python): *-Created a ML CNN model using python to classify 43 traffic signs from the* *GTSRB dataset achieving 98% accuracy* Natural language processing AI that answers input questions(Python): *-Used nltk and algorithms like inverse document frequency and a query term* *density measure to answer the given question from multiple books, sites…*
Achievements	**-**Huawei ICT competition **1st** in Lebanon and **top 5** in the MEA/Asia among thousands of participants. **-**Ranked in the **Top 3** teams in a technology entrepreneurial competition organized in Qatar.

Skills		
Skills	**Personal**	A passionate, very quick learner with great problem solving and teamwork skills.
	Programming	Python, Java, MySQL, C/C++ **-** *Advanced* React Native, JavaScript, C# Arduino **–** *Intermediate*
	Software	OpenSSL, PowerBI, Exce*l – Basics* Visual studio, Packet tracer, Proteus *-Intermediate*

Extracurricular *Certificates/courses*	Harvard's Cs50 AI-python*: Learned most of ml concepts and frameworks.* *-Completed projects like games algorithms and deep learning problems.* Kaggle courses on feature engineering and machine learning. Amazon AWS Cloud: *Cloud concepts + AWS services.*
Organizations	Member of the Cyber/competitive programming communities since 2022
Languages	English/French-*Good* Arabic-*native*
Hobbies	Team sports (Football, Basketball...), Gym Reading