MOHAMMAD MKANNA

M.Sc. Graduate and Researcher

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ABOUT ME

Holder of a Master's degree specializing in Signals, Telecommunications, Image, and Speech. Eagerly immersed in the advancements of AI technology within the realms of Image and Signal Processing.

EXPERIENCE

Research Internship

Université du Littoral Côte d'Opale

Calais, France

Thesis Tittle: CHARACTERIZATION OF SPECIFIC IMAGE NOISE ATTRIBUTES FROM DEEP NETWORKS.

- The proposed research project falls within the framework of the study of quality and specificity of images by automatic learning which require the understanding of the random feature maps and its effect in CNNs and LSTMs models.
- Applying concepts of Random Matrix Theory(RMT) and SVD for studying the randomness of weight matrices inside the models of LSTM and CNN to explain what features are affecting the model.
- We have acquired spike eigenvalues that present an opportunity for further exploration in extracting these eigenvalues to visualize the features.

Support Engineer

Celestatel

Ö 02/2022 - 08/2023

Beirut, Lebanon

Celestatel is a leading global provider of international SMS and VOIP Termination.

My Responsibilities:

- Follow up the clients from configuring new connections and routing traffic.
- Create daily reports related to traffic and capacity.
- Follow up daily tickets.
- Logs problems and important activities.
- Conduct testing following the procedures and standards.
- Full monitoring of traffic.

EDUCATION

M.Sc. in Signals, Telecommunication, Image and Speech Processing (STIP Program)

Lebanese university, Faculty of Science and ULCO University

11/2021 - 11/2023

B.Sc. in Electronics

Lebanese university, Faculty of Science

Ö 09/2018 - 10/2021

SKILLS

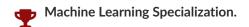
Programming: Python MATLAB C++
Verilog/VHDL

Al: Machine Learning Deep Learning

Tensorflow Keras Scikit-Learn pandas

Pytorch matplotlib

CERTIFICATES



Building Blocks of Data Science.

Introduction to Computation & Programming Using Python



LANGUAGES

Arabic

English

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PROJECTS

Differential Pulse-code modulation (DPCM) systems

Ö 07/2022 - 09/2022

The project is an implementation of DPCM system on Matlab/Simulink carried by full analysis of linear prediction filter and the overall performance.

CONTROLLED MOVING ROBOTIC ARM

Ö 07/2021 - 08/2021

A moving controlled robotic arm is built using Arduino controller which can move from one place to another and pick up objects with a clap, all that by the mean of a Bluetooth module controlled by a smart phone.