

Tunisian American Enterprise  
Fund, TAEF

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Dear Selection Committee,

I am writing to apply for the internship position “Data Science and Modelling Assistant” provided by the MooMe Company.

I am currently a Ph.D. student in Electrical Engineering at the National Engineering School of Carthage university (ENICarthage) and in the Advanced Systems Laboratory (LSA) of Ecole Polytechnique of Tunisia, with a research Master's degree in Biophysics, Radiophysics and Medical Imaging.

My PhD research aims to propose solutions for the implementation of classification algorithms based on parallel architectures and reconfigurable platforms. Applications will be considered for the validation of the approaches and techniques selected. Currently, I am working on the detection of depression from acoustic features in speech using Convolutional Neural Networks (CNN) and the DAIC-WOZ database.

The provided position would be the perfect opportunity for me to deepen my knowledge in the Artificial Intelligence in industrial field. I have experience working with the EEG signals for the detection of epileptic seizure using Artificial Neural Network on my master’s degree dissertation. This detection system was implemented on FPGA board. Thereby, I look forward to working with other types of data such as the data reported by a measurement system based on animal sensors that the MooMe Company is working with.

I am looking forward to this opportunity with the MooMe Company and with my skills and experience, I believe that I will make a significant contribution to your team.

Yours sincerely,