Apt n°-419
72 rue Jeanne d'arc, Metro Nationale
Paris - France,75013
(+33) 7 54 49 49 86
✉ mzm.moazam@gmail.com
🖥 mzmmoazam.github.io
in mzmmoazam
mzmmoazam

Mohammad Moazam

Curriculum Vitae

Professional Interests

Artificial Intelligence, Automation, Optimisation algorithms, Computer Vision, Image Processing, Machine Learning, Deep Learning, spectral imaging, Lasers and its applications.

Work Experience

February-2022–Present	**Computer Vision Intern**, BOXY, République, Paris, France. Multi-perspective 3D pose estimation and tracking
Jun-2021–Sept-2021	**Research Intern** , LABORATOIRE HUBERT CURIEN, Saint Étienne, France. Conditional Generative Models for Task-specific Noise-specific Data Augmentation
Jul-2019–Sept-2020	**Senior Software developer**, VALUELABS, Hyderabad, India. Develop Machine Learning solutions to problems like fault prediction etc.
Feb-2019–Jun-2019	**Research Intern**, *Yildiz Technical University*, Istanbul, Turkey. Research project (Final year project) on the topic "Predicting the disease mechanisms of Psoriasis using a case control study" under the guidance of Dr. Zeyneb Kurt
Sep-2018–Jan-2019	**Machine Learning Intern**, *Orozon Data Services PVT LTD*, Chennai, India. Clean & filter data; make data ingestion pipeline for machine learning models
Mar-2018–Apr-2018	**Web Developer Intern**, *Sword IT*, Istanbul, Turkey. Developing web solutions and architecture for different clients

Education

2020–Current	**Erasmus Mundus Joint Master Degree (EMJMD)**, *Photonics for Security Reliability and Safety (PSRS)* ***(Specialization in Photonics and Machine Learning)***, University Jean Monnet, 6 Rue Basse des Rives, Saint-Étienne, France. ○ **1st Semester** *Sept-2020 - Jan-2021*, **University Jean Monnet**, Saint Etienne, France ○ **2nd Semester** *Feb-2021 - May-2021*, **University of Eastern Finland**, Joensuu , Finland ○ **3rd Semester** *Sept-2021 - Current*, **University Jean Monnet**, Saint Etienne, France
2015–2019	**Bachelor of Technology**, *Computer Science & Engineering*, Hindustan Institute of Technology & Science, Chennai,India. Final grade : *9.45/10* or 94% ○ **6th Semester** "*Exchange Program - Erasmus+*," **Yildiz Technical University** Istanbul, Turkey ○ **8th Semester** "*Final Year Project*," **Yildiz Technical University** Istanbul, Turkey
2015–2013	**Intermediate**, *10+2*, Amity International School, Gurgaon,India. Final grade : *89%*
2013–2012	**High School**, *10*, Iqbal Memorial Institute, Srinagar,India. Final grade : *9.6/10* or 96%

Projects

- **irisSeg** : A python package for iris and pupil segmentation using Daugman's integrodifferential operator, Can be installed using pip code.
- **DrawBot** : A chatbot that helps small children learn shapes and have fun interacting with it code.
- **jsonSpark** : A package that converts pyspark json dataframe into dict() equavalent data structure, Can be installed using pip code .
- **OCR Flask app** : A fully working web app that can perform OCR on images using user interface as well as REST APIS code .
- **RSS feed Extractor** : extract RSS feed from a website code .
- **Perceptron** : A chatbot designed to gather the general perception using Natural Language Understanding .
- **Real Time Face Detection & Recognition** : face recognition tool that you can train using your webcam and test it with the same code .
- **Entity Extraction from Google Searches and store in a sqlite3 database** code .

Honours and Awards

- Awarded **IDEXLYON scholarship** for pursing Erasmus Mundus Joint Master Programme PSRS (specialization *Photonics & Machine Learning*)
- Certificate of Merit for best research project in Bachelors project.
- Was chosen for Erasmus+ exchange programme in 6th semester with scholarship.
- Participated in ACM ICPC competitive programming contest and went to the National Round (India)
- Won 1st prize in Science Quiz on "Science Meet – 2015" on 19-08-2015.
- Have won 1st prize in Physics Olympiad on "National Science Day – 2016" on 01-03-2016
- Made various websites for college events and conferences, including the National Conference organized by the college which was sponsored by DRDO under the theme "Intelligent Information Systems".

Online Courses

- **Intro to Python for Data Science**,
  Grade Achieved: 100 %.
- **Deep Learning with PyTorch : Neural Style Transfer**,
  Grade Achieved: 100 %.
- **Introduction to Machine Learning Course - Udacity ud120**,
  Grade Achieved: 98.0%.
- **Up and Running with Rasberry Pi**,
  Grade Achieved: 98.0 %.
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Languages

Kashmiri (mother tongue), English, Urdu, French (Basic), Turkish (Basic)

Additional links

- Hackerrank : 5 badges Profile
- Kaggle : Contributor Profile