

# Mohammad Moazam

## Curriculum Vitae

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📄 [mzmmoazam.github.io](https://github.com/mzmmoazam)

in [mzmmoazam](#)

🌐 [mzmmoazam](#)



### Professional Interests

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

### 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%

### Work Experience

Jun-2021– **Research Intern**, LABORATOIRE HUBERT CURIE, Saint Étienne, France.

Sept-2021 Conditional Generative Models for Task-specific Noise-specific Data Augmentation

Jul-2019– **Senior Software developer**, VALUELABS, Hyderabad, India.

Sept-2020 Develop Machine Learning solutions to problems like fault prediction etc.

Feb-2019– **Research Intern**, *Yildiz Technical University*, Istanbul, Turkey.

Jun-2019 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– **Web Developer Intern**, *Sword IT*, Istanbul, Turkey.

Apr-2018 Developing web solutions and architecture for different clients

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## 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() equivalent 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](#) .

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## Honours and Awards

- Awarded **IDEXLYON scholarship** for pursuing 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 6<sup>th</sup> 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”.

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## 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 Raspberry Pi**,  
*Grade Achieved: 98.0 %.*

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## Languages

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

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## Additional links

- Hackerrank : 5 badges [Profile](#)
- Kaggle : Novice [Profile](#)