

Mohammad Moazam

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EXPERIENCE

- Stellantis** Paris, France
Machine Learning Engineer (Full-time) Nov 2022 - Current
 - 3D Head & Eye Pose:** Complete Project including Data Strategy and Production
 - 3D Face Alignment:** Face features localization in 2D/3D space
- Boxy** Paris, France
Computer Vision Intern (Full-time) Feb 2022 - Sep 2022
 - Thesis topic:** Multi-perspective 3D pose estimation and tracking.
 - Pose Model with REST API for Production:** Developed 2D pose model and REST APIs for production.
 - Automated Pipelines:** Created pipelines using Airflow.
 - CI/CD:** Successfully implemented CI/CD flows on Gitlab.
- Laboratoire Hubert Curien** St. Etienne, France
Research Intern (Full-time) Jun 2021 - Sep 2021
 - Benchmark Performance:** Tested the state of the art models and benchmarked the performance for the given dataset
 - Implemented Pix2Pix GAN with custom loss:** WGAN loss implemented in Pix2Pix model and resulted in higher efficiency
- Valuelabs** Hyderabad, India
Senior Software Engineer (Full-time) Jul 2019 - Nov 2020
 - Contributed in Fault detection:** Detect/forecast faults based on historic data.
 - Developed JsonSpark:** Created python wrapper for pyspark for json data.
- Yildiz Technical University** Istanbul, Turkey
Product Development Intern (Full-time) Apr 2018 - Jun 2018
 - Develop Web application:** Responsible for creating web application for biomedical imaging.

EDUCATION

- Université Jean Monnet & University of Eastern Finland** France & Finland
Erasmus Mundus Joint Master Degree Photonics for Security Reliability and Safety (PSRS) 2020 - Current
Specialization: Photonics and Machine Learning
- Hindustan Institute of Technology & Science** Chennai, India
Bachelor of Technology - Information Technology; GPA: 9.44 2015 - 2019
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases

SKILLS

- Domains:** Computer Vision, Automation, Robotics, Machine Learning, Deep Learning, Photonics
- Languages:** Python, C++, JavaScript, Bash, Dart
- Frameworks:** Pytorch, OpenCV, TensorFlow, Keras, Django, Flask, Flutter
- Tools:** Airflow, Docker, GIT, MySQL, SQLite
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

PROJECTS

- OCR Flask app (OCR, REST API):** A fully working web app that can perform OCR on images using user interface as well as REST APIs using Flask. (Open Source)
- irisSeg (python package, Computer Vision, Segmentation):** A python package for iris and pupil segmentation using Daugman's integrodifferential operator. Can be installed using pip. (Open Source)
- jsonSpark (python package, Big Data, json, pySpark):** A package that converts pyspark json dataframe into python dictionary. Can be installed using pip. (Open Source)
- Real Time Face Detection & Recognition (tflearn, webcam):** Face recognition tool that can collect dataset using webcam and infer using the same (Open Source)

HONORS AND AWARDS

- Awarded IDEXLYON scholarship for pursuing Erasmus Mundus Joint Master Programme PSRS.
- Was selected for Erasmus+ exchange programme in 6th semester (Bachelors) with full scholarship.
- Certificate of Merit for best research project in Bachelors project.

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: 100 %
- Up and Running with Raspberry Pi:** Grade Achieved: 100 %

LANGUAGES

- English (Proficient), Kashmiri (Mother tongue), French (Basic), Turkish (Basic), Hindi (Proficient), Urdu(Proficient)