HOMAYOUN MORADI

Machine Learning and
Computer Vision Researcher
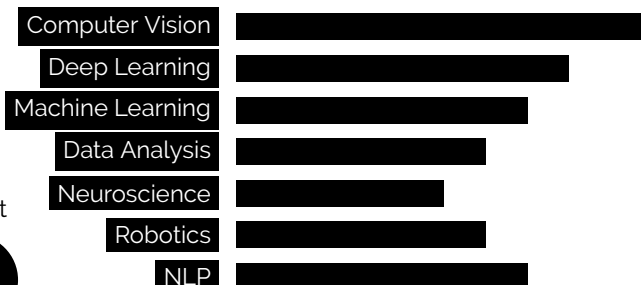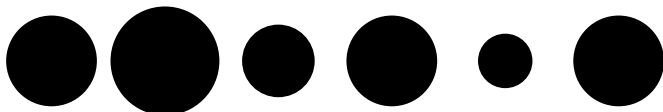
📍 Tehran, Poonak
📞 +98 937 862 9071
@ homoradi@ut.ac.ir
Ⓢ homayouneemoradi

github.com/ffletcherr
@FaerieFletcher
homayouneemoradi

WHO AM I?

Experienced Head of R&D with a demonstrated history of working in Machine Learning and Computer Vision fields. Skilled AI Researcher with a Master of Science from Tehran University.

Pytorch Opencv MongoDB Pandas Flask Sci-kit

Computer Vision
Deep Learning
Machine Learning
Data Analysis
Neuroscience
Robotics
NLP

EXPERIENCE

2019 – Presnet
part time
Computer Vision Engineer   **SUSLIB**
Knowledge Extraction and Intention Recognition Using Cutting Edge AI Technologies.

2018 – 2021
part time
Head of Computer Vision Team   **Control and AI Lab - IUST**
Multi-Agent and Autonomous Vehicles 3D Perception, Road Scene Understanding and Analysis of Surveillance Videos.

2016 – 2018
Co-Founder   **3DFAST**
The First Online 3D Printing Service and Social Marketplace Based in Tehran. We Made an Online Platform That Provides 3D Printing Services by Connecting Customers and Vendors.

2015 – 2016
Control Engineer   **CETEC**

PROJECTS

Smart Smile Desing based-on Computer Vision Techniques (ongoing)
Recommender System based-on Hybrid Approach for Torob.com - Datadays2021 (3rd rank in first phase - ongoing)

2021
COVID-19 Tweets Analysis
Persian OCR
Table Structure Recognition
Face Spoofing Detection
Music Metadata and Text Analysis

2020
tsetms+Sahamyab Data Analysis
Face Detection and Recognition
Human Action Recognition
Image Retrieval
Scene Multi-Label Classification

2019
Fusion-based 3D Object Analysis
Aerial Image Segmentation
Supermarket Product Counter
Multiple Object Tracking

EDUCATION

2019 – Presnet
Master of Science - MS, Artificial Intelligence GPA:19.23   **Tehran University**
Advisor: Prof. Behzad Moshiri and Dr. Mehdi Tale Masoole
Thesis: Human-Robot Interaction Using Soft/Hard Information Fusion, Case Study: NAO Robot
Research Assistant at NBIC, Supervised by Dr. MohammadReza A. Dehaqani, Human Action Classification Using EEG Signal Processing
Teaching Assistant for Big Data, Dr. Masoud Asadpour - Spring 2021

2016 – 2019
Master of Business Administration - MBA, Finance   **Kharazmi University**

2012 – 2016
Bachelor's Degree, Control Engineering   **Iran University of Science and Technology (IUST)**
Advisor: Prof. Aliakbar Jalali
Thesis: IoT for Smart Cities: Use Cases and Implementation Strategies
Activities: Teaching Assistant for Signal and Systems, Prof. Aliakbar Jalali - Fall 2019