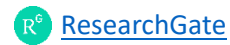


# Parsa Mohammadi | Curriculum Vitae

☎ (+98) 9182265891

🌐 <https://parsam.eu.pythonanywhere.com>

✉ ParsaMohammadi@aut.ac.ir



## EDUCATION

---

- **Amirkabir University of Technology (AUT)**, Tehran, Iran    September 2020 – Present
  - B.S. in Electrical Engineering
    - Ranked within the top 10% of the Electrical Engineering department
    - Ranked within the top 1% of the Iranian University Entrance exam
- **Shahid Beheshti**, Kermanshah, Iran    September 2016 – September 2020
  - **National Organization for Development of Exceptional Talents (NODET)**
    - GPA: 18.87 out of 20.00
    - Ranked within the top 2% of the Nationwide NODET Entrance exam

## RESEARCH INTERESTS

---

- Computer Vision
- Object Detection and Tracking
- Image Processing
- Deep Learning
- Machine Learning

## RESEARCH AND WORK EXPERIENCES

---

- **Iran's National Elites Foundation**    December 2021 – Present  
*"Data-driven Maintenance of Urban Infrastructure in Smart City"*  
**Research Assistant:**
  - Using data mining algorithms to reduce the cost of maintenance and repair of power networks
  - Using Machine Learning models to build an intelligent application for control centers

- Supervisor: Dr. Alireza Fereidunian (K. N. Toosi University of Technology, Iran)
- **Amirkabir University of Technology (AUT)**    March 2021 – September 2021  
*Member of "Amirkabir 2021 International Summer School," Executive Team:*  
**Tasks:**
  - Invited Dr. Larry Cheng from Penn State University
  - Been Dr. Larry Cheng's assistant during summer school

- Supervisor: Dr. Roohollah Bagherzadeh (Amirkabir University of Technology, Iran)

## SKILLS

---

- Programming Skills:

Python

- TensorFlow
- NumPy
- Pandas
- OpenCV
- Matplotlib
- Scikit-learn
- Django

Matlab

- Simulink

HTML/CSS

Verilog

C/C++

- ML/AI Skills:

Regression

Classification

Decision tree

SVM

Clustering

PCA

CNN

- Residual Network
- Inception Network
- MobileNet
- EfficientNet
- Transfer Learning
- Object Detection
- U-Net
- Style Transfer
- Siamese Network

RNN

- Others:

Linux

Git

Google Colab

Windows Server

Full Stack Developer

## CERTIFICATED COURSES



[Machine Learning by Stanford University](#) | Coursera – Dr. Andrew Ng



[Deep Learning Specialization by DeepLearning.AI](#) | Coursera – Dr. Andrew Ng



[Web Application Technologies and Django by University of Michigan](#) | Coursera – Dr.

Charles Russell Severance



[Course Completion Certificate basics MatLab by MathWorks](#) | MatlabAcademy –

MathWorks Team

## LANGUAGE PROFICIENCY

---

- English (Fluent – IELTS exam to be taken soon)
- Persian (Native)

➤ References and further information are available upon request.