Parsa Mohammadi | Curriculum Vitae

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EDUCATION

- **Amirkabir University of Technology (AUT)**, Tehran, Iran   September 2020 – Present
  - B.S. in Electrical Engineering
    - GPA: 19.03 out of 20.00
    - 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 electricity and gas 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
  - PyTorch
  - NumPy
  - Pandas
  - matplotlib
Matlab
C/C++

- **ML/AI Skills**:
Computer Vision
Neural Network
NLP
SVM
Optimization
Datamining
Algorithms

- **Others**:
Linux
Git
Google Colab
Windows Server

CERTIFICATED COURSES

Machine Learning by Stanford University | Coursera – Dr. Andrew Ng

Deep Learning Specialization by DeepLearning.AI | Coursera – Dr. Andrew Ng

Machine Learning using Python Programming | Udemy - Sujithkumar MA

Git and GitHub Masterclass: Git Workflow, Commands & GitHub | Udemy - LevelUp360° DevOps

Master Python With NumPy For Data Science & Machine Learning | Udemy - Pruthviraja L

- "**Programming**": 18.7/20.00

LANGUAGE PROFICIENCY

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

➢ References and further information are available upon request.