

EDUCATION

University of Mohaghegh Ardabili

[Times Ranking] [website] Ardabil, Ardabil

Bachelor of science in computer engineering

2018–2022

- Cumulative **GPA: 3.8/4** (18.25/20) - till now via 145 credits
- **Ranked 2th** cumulative GPA within the **top 5% of graduating** class (among 41 students)

RESEARCH INTERESTS

3D vision, Deep Learning , Machine Learning, NLP, Computer Vision

Computer Vision : Mobile vision, 3D vision, Object detection, Image Classification, Image Segmentation, Object Tracking.

Natural Language Processing : Visual Description, Image Captioning, Text-to-Image Generation

PUBLICATIONS

1. **A. Ganj** and Y. Shokri, “Solving N-puzzle Problem by A* Algorithm and a New Heuristic Function”, *Journal of Artificial Intelligence and Data Mining (JAIDM)*, January 2022 (Revision) [Code]
2. **A. Ganj**, M. Darvish, M. EbadPour, H. Bahador “LR-Net: A Block-based Convolutional Neural Network for Low-Resolution Image Classification”, *July 2022 (In submission)* [arXiv] [Code]

TEACHING ASSISTANT

Data structure and Algorithm : The department of computer engineering	Fall 2021
Instructor : Masumeh Kheyri	
Software engineering : The department of computer engineering	Fall 2021
Instructor : Ahmad Taghinejhad	
Discrete Mathematics : The department of computer engineering	winter 2021
Instructor : Masumeh Kheyri	

PROJECTS

See full list of projects on github.com/AshkanGanj

- **Instance Segmentation with Mask R-CNN (Python, Keras, Tensorflow, 2021)**
 - Fine-tuned and implement Mask R-CNN on a certain category collected from OpenImages data [Github]
- **CIFAR-10 classification (Python, Keras, 2021)**
 - classify 50000 images in 10 classes with CNN [Github]
- **Pneumonia Detection (Python, Keras, 2021)**
 - classify x-ray images with a custom CNN [Github]

HONORS & AWARDS

- Awarded **distinguished student** in the department of electrical and computer engineering 2018–current
- **Ranked 2th** in Ardabil programming contest May–2019
- **Top 2 %** in the Iranian national university entrance exam among **300,000** participants. june–2018

SKILLS

- **Programming Languages:**
Python, C++, TypeScript, JavaScript
- **Machine learning and Deep learning:**
Tensorflow, Scikit-learn, Matplotlib, Pandas, Numpy, Jupyter-Notebook
- **Databases:** PostgreSQL, MySQL
- **Operating System:** Microsoft Windows, Debian GNU/Linux
- **Front-end:** Angular, Html, CSS
- **Back-end:** Django, Flask

LANGUAGES

- **Persian:** Native
- **Turkish-Azari:** Native
- **English:** IELTS : 6.5 (R : 7, L : 7, S : 6, W : 6.5)

TECHNICAL EXPERIENCE

Access Endless Communication(AEC)

Front-end Developer- Internship

[\[website\]](#) - Tehran

August 2020 - march 2021

COURSES

Deep Learning Specialization

Authorized by DeepLearning.AI and offered through Coursera

Instructor: Andrew Ng

[\[Certificate\]](#)

2021

- Neural Networks and Deep Learning [\[Certificate\]](#)
- Hyperparameter Tuning, Regularization and Optimization [\[Certificate\]](#)
- Structuring Machine Learning Projects [\[Certificate\]](#)
- Convolutional Neural Networks and Sequence Models [\[Certificate\]](#)
- Sequence Models [\[Certificate\]](#)

Machine Learning

Offered by Stanford University through Coursera

Instructor: Andrew Ng

[\[Certificate\]](#)

2020–2021

REFERENCES

Shahram Jamali

- Professor - Faculty Member - The department of Electrical and Computer Engineering
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Hamid Bahador

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