

EDUCATION

University of Mohaghegh Ardabili

[Times Ranking] [website] Ardabil, Ardabil

Bachelor of science in computer engineering

2018–2022 (Expected)

- Cumulative **GPA: 3.76/4** (18.05/20) - till now via 123 credits
- **Ranked 3th** 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, Image Processing, Object detection, Image Classification, Image Segmentation, Object Tracking.

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

HONORS & AWARDS

- Awarded **distinguished student** in the department of electrical and computer engineering 2018–current
- **Ranked 3th** in Ardabil programming contest May–2019
- **Top 2 %** in the Iranian national university entrance exam among **300,000** participants. june–2018

PUBLICATIONS

1. **A. Ganj** and Y. Shokri, “Solving N-puzzle Problem by A* Algorithm and a New Heuristic Function”, *Journal of Experimental Theoretical Artificial Intelligence*, September 2021 (*Decision Pending*)
2. **A. Ganj**, M. Darvish, and M.poramini “Bachelor thesis: Application of 3D vision”, Jan 2022 (*In preparation*)

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 [\[Github\]](#)

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

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

[website] - Tehran

2020-2021

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

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