Ashkan Ganj

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in 🐙 ⓢ

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 3** [th] cumulative GPA within the **top 5% of graduating** class (among 41 students)

RESEARCH INTERESTS

Deep Learning , Machine Learning, 3D vision, Data Mining, Visualization, Generative Models, Computer Graphics
Computer Vision : Image Processing, Object detection, Image Classification, image Segmentation, Object Tracking, Motion Analysis, Human Activity Tracking
Robotics : Motion Planning, Learning and Classification,Vision-aided Navigation
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 3**[th] 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 (Under Review)*

2. **A. Ganj**, M. Darvish, and M.poramini "Art Generation in Deep Learning:A Survay", *Oct 2021 (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

Discrete Mathematics : The department of computer engineering   winter 2021
Instructor : Masumeh Kheyri

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)   [website] - Tehran
Front-end Developer   2020-2021

Captain Team   [website] - California
Front-end Developer   2020-2021

University of Mohaghegh Ardabili   Ardabil, Ardabil
Full-Stack Developer   2018-2019

COURSES

Deep Learning Specialization   [Certificate]
Authorized by DeepLearning.AI and offered through Coursera   2021
Instructor: Andrew Ng

  – 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   [Certificate]
Offered by Stanford University through Coursera   2020–2021
Instructor: Andrew Ng

REFERENCES

- **Shahram Jamali**
  Professor - Faculty Member - The department of
  Electrical and Computer Engineering
  jamali@uma.ac.ir

- **Hamid Bahador**
  Associate Professor - Faculty Member - Department of
  Electrical and Computer Engineering
  hamid.bahador@uma.ac.ir