

Mohammadtaha Najafzadeh

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EDUCATION

Bachelor of Science in Computer Engineering

2018 – 2022

University of Mohaghegh Ardabili

[Times Ranking] [Website] Ardabil, Iran

- Cumulative GPA : 3.77 / 4.00
- Ranked 4th cumulative GPA within the top 8% of graduating class
- Capstone Project: Skin Cancer Classification (ISIC Challenge 2020) [Github]

High School Diploma in Experimental Sciences

2013 – 2017

Shahid Beheshti 2 - National Organization for Development of Exceptional Talents

(NODET) Ardabil, Iran.

- Cumulative GPA : 4.00 / 4.00
- Graduated in Top 10% of Class

RESEARCH INTERESTS

- Machine Learning
- Deep Learning
- Computer Vision
- Natural Language Processing
- 3D vision

PROJECTS

Comparative Analysis of ConvNet Architecture on Bird Species Dataset [Github] | Python, Tensorflow March 2021

- * Visualized and compared 5 convolutional neural network architecture
- * Analysed models: AlexNet, VGG16, InceptionV3, ResNet and MobileNet

Instance Segmentation with Mask R-CNN [Github] | Python, Keras, Tensorflow Jan 2021

- * Fine-tuned Mask R-CNN on a certain category collected from OpenImages dataset
- * Improved the model's performance with precise fine-tuning

YOLOv3 from Scratch: Analysis and Implementation [Github] | Python, Torch, OpenCV December 2020

- * Implemented the famous model YOLO from scratch
- * Experimented with the results and compared to the state-of-the-art benchmarks

COVID-19 Analysis and Visualization [Github] | Python, Pandas, Matplotlib, Seaborn, Plot.ly August 2020

- * Tracked and visualized the spread of COVID-19 worldwide
- * Used over 15 types of graphs and charts to analyse the data

TEACHING ASSISTANT

Design of Algorithms

Fall 2021

Instructor: Masumeh Kheyri

Department of computer engineering, University of Mohaghegh Ardabili

Discrete Mathematics

Fall 2020

Instructor: Masumeh Kheyri

Department of computer engineering, University of Mohaghegh Ardabili

PROFESSIONAL EXPERIENCE

Front-end Developer

2020

Access Endless Communication

[Website] Tehran, Iran

- * Developed and maintained a website for a cellular provider [Website] — Angular
- * Created a Interactive Dashboard for Irancell telecommunications company — Angular
- * Designed and Developed website for a home appliances company [Website] — Wordpress

Web Developer Intern

2019

Computer emergency response team of UMA

(Website) Ardabil, Iran.

- * Developed the website for virtual learning platform of University of Mohaghegh Ardabili
- * Taking advantage of HTML5 and SASS technologies [Website]

COURSEWORK

Data Analytics Specialization

October 2022

Offered by Google Inc. through Coursera [[Certificate](#)]

- * Asking Questions, EDA, Data Cleaning, Analysis, Visualization and R programming

Data Mining Specialization

January 2022

Offered by University of Illinois at Urbana-Champaign through Coursera [[Certificate](#)]

- * Analyze Text, Discover Patterns, Visualize Data
- * Solve real-world data mining challenges

HONORS & AWARDS

Awarded distinguished student in department of electrical and computer engineering

2018 - 2022

University of Mohaghegh Ardabili

Ardabil province, Iran

Ranked 1st in the 2nd UMA Copa Code (programming contest)

Winter 2020

Held by department of computer science

University of Mohaghegh Ardabili

Ranked 3rd in the Code Cup of Mohaghegh (CCM)

Winter 2020

Held by department of electrical and computer engineering

University of Mohaghegh Ardabili

Top 3% in the Iranian national university entrance exam among 300,000 participants.

Spring 2018

National Organization of Educational Testing

Iran

Chosen Student For National Organization for Exceptional Talents Schools

2013

Shahid Beheshti 2 High School

Ardabil province, Iran

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, R, C++ ,

Tools: Jupyter Notebook, Tableau, SQL, ~~TeX~~ LaTeX, Git, Docker, Visual Studio Code

Python Libraries: Matplotlib, Seaborn, OpenCV, Numpy and Pandas

Frontend Web Development Tools: HTML5, CSS, Sass, Angular.JS, jQuery, Bootstrap, Chrome DevTools

Operating Systems: Linux, Windows

LANGUAGES

Persian: Native

English: Fluent

- TOEFL band score: 100 (R:30, L:26, W:25, S:19)

REFERENCES

• Prof. Samad Najjar

Assistant Professor - Faculty Member

The department of computer engineering - UMA

S.najjar@uma.ac.ir

• Masoumeh Kheiri

Lecturer - Faculty Member

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• Danial Mirzadeh

Associate Professor - Faculty Member

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