

Sadjad Rezvani

PERSONAL INFORMATION

E-mails: sadjadrezvani@shahroodut.ac.ir
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My google scholar page

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EDUCATION

Shahrood University of Technology, Shahrood, Semnan Province, Iran

Master of Science in computer Engineering – artificial intelligence

Sep. 2020 – Sep. 2022

- GPA: 4/4 , **18.59/20**
- Thesis: “Masked face recognition using deep learning”
- Advisor: Mansoor Fateh

Shahrood University of Technology, Shahrood, Semnan Province, Iran

Bachelor of Science in computer Engineering – Softwares

Sep. 2015 – Sep. 2019

- GPA: **3.53/4** , **16.92/20**
 - Thesis: “Profiling web applications to improve intrusion detection”
 - Advisor: Mohsen Rezvani
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RESEARCH INTERESTS

Machine Learning, Deep Learning, GenAI, Multimodal, Medical Image Analysis

JOURNAL PUBLICATIONS

S. Rezvani, M. Fateh and H. Khosravi,” ABANet: Attention Boundary-Aware Network for image segmentation.” Expert systems, e13625, May 2024
S. Rezvani, F. Soleymani Siahkar, Y. Rezvani, A. Alavi Gharahbagh and V. Abolghasemi, ”Single Image Denoising via a New Lightweight Learning-Based Model.” IEEE Access, August 2024
S. Rezvani, M. Fateh, A. Fateh and Y. jalali. ”FusionLungNet: Multi-scale Fusion Convolution with Refinement Network for Lung CT Image Segmentation.” biomedical signal processing and control, (Revised Sep 2024).

LANGUAGE PROFICIENCY

IELTS (Academic): 7 (overall score)

- Listening: 7.5, Speaking: 6.5
 - Reading: 7.5 , Writing: 6
 - Test date: 09/30/2024
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WORK EXPERIENCE

Shahaab, CO.

Role: *Senior Computer Vision Software Engineer*

Project: Face Recognition Engine

Oct. 2022 – Dec. 2023

- Designed and implemented various features of a face recognition engine utilizing advanced computer vision techniques
- Created a user interface for demo purposes
- **Technical Skills:** C++, OpenCV, C#

Cement Factory, Shahrood, Iran

Role: *Senior Computer Vision Engineer*

Project: Fire Detection Software

Jul. 2022 – Nov. 2022

- Contributed to a fire detection software project that leveraged computer vision techniques to detect fires and alert relevant authorities in real-time
- **Technical Skills:** OpenCV, Pytorch

Hookan Salt Factory, shiraz, IranRole: *Senior Computer Vision Software Engineer*

Project: Salt Crack Sorting Machine

Nov. 2020 – Sep. 2021

- Worked on a project focused on detecting salt impurities in a manufacturing process
- Utilized advanced image processing techniques to detect salt impurities in real-time
- **Technical Skills:** OpenCV, Python, C#, C++

Shahaab, CORole: *Senior Software Engineer*

Project: Plate Recognition Software,

Jun. 2019 – Dec. 2023

- Contributed to the development of a desktop software that connects to CCTV cameras, recognizes license plates, and stores data
- Contributed to the ongoing maintenance and improvement of the software
- **Technical Skills:** C#, SQL

**PROGRAMMING
SKILLS**

- Programming: Python, C++, C#
- Machine Learning: PyTorch, TensorFlow, Scikit-Learn, Numpy
- Computer Vision: OpenCV
- Database: Microsoft SQL Server, MySQL

**ACADEMIC
EXPERIENCE****Research Assistant***CVLab*

Dec. 2023 – now

- To stay updated, I actively research advancements in computer vision and mentor M.Sc. students.

CVLab

Dec. 2021 – Sep. 2022

- As part of my thesis research, I researched image reconstruction techniques for masked face recognition.
- Mentored newly-arrived M.Sc. students to help with their proposals.

Teaching Assistant

Deep Learning

Spring 2022

Advance Software Engineering (for Bachelor Students)

Fall 2019

Database (for Bachelor Students)

Fall 2019, 2018

**HONOURS AND
AWARDS**

A member of Iran's National Elites Foundation

2023

Third-ranked student in the master of Science in Computer Science program

2022

CERTIFICATIONS

AI for Medical Diagnosis, DeepLearning.AI, Coursera

2023

Python Project for Data Science, IBM , Coursera

2022

Generative Adversarial Networks (GANs) Specialization, DeepLearning.AI , Coursera

2022

Machine Learning, Stanford University, Coursera

2021

REFERENCES

Mansoor Fateh

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