Sadjad Rezvani

PERSONAL INFORMATION	E-mails: sadjadrezvani@shahroodut.ac.ir	linkedin: linkedin.com/in/sadjadrz
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	My google scholar page	

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

RESEARCH INTERESTS

ML, DL, GenAI, Medical Image Analysis, Limited Data Solutions, Domain Adaptation

JOURNAL PUBLICATIONS

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, March 2025.

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 and H. Khosravi," ABANet: Attention Boundary-Aware Network for image segmentation." Expert systems, May 2024

LANGUAGE PROFICIENCY

IELTS (Academic): 7 (overall score)
- Listening: 7.5, Speaking: 6.5
- Reading: 7.5 , Writing: 6
- Test date: 09/30/2024

WORK EXPERIENCE

Hookan Salt Factory, shiraz, Iran
Role: *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, CO
Role: *Computer Vision 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: Python, C++, C#
- Machine Learning: PyTorch, TensorFlow, Scikit-Learn, Numpy
- Computer Vision: OpenCV
- Database: Microsoft SQL Server, MySQL

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
Computer Networks (for Bachelor Students)	Fall 2019
Advance Software Engineering (for Bachelor Students)	Fall 2019
Computer Architecture (for Bachelor Students)	Fall 2018
Database (for Bachelor Students)	Fall 2018,2017

A member of Iran's National Elites Foundation	2023
Third-ranked student in the master of Science in Computer Science program	2022

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

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