

Sadjad Rezvani

PERSONAL INFORMATION

E-mails: sadjadrezvani@shahroodut.ac.ir
web Page: <https://sadjadrz.github.io>
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

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
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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++

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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 SKILLS	<ul style="list-style-type: none"> • Programming: Python, C++, C# • Machine Learning: PyTorch, TensorFlow, Scikit-Learn, Numpy • Computer Vision: OpenCV • Database: Microsoft SQL Server, MySQL 	
ACADEMIC EXPERIENCE	Research Assistant <div> CVLab Dec. 2023 – now </div> <ul style="list-style-type: none"> • To stay updated, I actively research advancements in computer vision and mentor M.Sc. students. <div> CVLab Dec. 2021 – Sep. 2022 </div> <ul style="list-style-type: none"> • 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 <div> Deep Learning Spring 2022 </div> <div> Computer Networks (for Bachelor Students) Fall 2019 </div> <div> Advance Software Engineering (for Bachelor Students) Fall 2019 </div> <div> Computer Architecture (for Bachelor Students) Fall 2018 </div> <div> Database (for Bachelor Students) Fall 2018,2017 </div>	
HONOURS AND AWARDS	<div> A member of Iran's National Elites Foundation 2023 </div> <div> Third-ranked student in the master of Science in Computer Science program 2022 </div>	
CERTIFICATIONS	<div> AI for Medical Diagnosis, DeepLearning.AI, Coursera 2023 </div> <div> Python Project for Data Science, IBM ,Coursera 2022 </div> <div> Generative Adversarial Networks (GANs) Specialization, DeepLearning.AI , Coursera 2022 </div> <div> Machine Learning, Stanford University, Coursera 2021 </div>	
REFERENCES	Mansoor Fateh <i>Associate professor, Department of Computer Engineering, Shahrood University of Technology , Shahrood, Iran</i> e-mail: mansoor_fateh@Shahroodut.ac.ir Phone: +98 (912) 373-8057 Vahid Abolghasemi <i>Associate professor, School of Computer Science and Electronic Engineering (CSEE), University of Essex, UK</i> e-mail: v.abolghasemi@essex.ac.uk Phone: +44 (0) 1206 873899 Abdorreza AlaviGharahbagh <i>Assistant Professor, Electrical and computer engineering department, Islamic Azad University, Shahrood, Iran</i> e-mail: abalavi.gh@ieee.org Phone: +98 (912) 573-2935	