

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, Medical Image Analysis, Multimodal, LLMs

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

Hookan Salt Factory, shiraz, Iran

Role: *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, CO

Role: *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	<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 CVLab Dec. 2023 – now <ul style="list-style-type: none"> • To stay updated, I actively research advancements in computer vision and mentor M.Sc. students. CVLab Dec. 2021 – Sep. 2022 <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 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 <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 Hossein khosravi <i>Associate professor, Department of Electrical Engineering, Shahrood University of Technology , Shahrood, Iran</i> e-mail: hosseinKhosravi@ Shahroodut.ac.ir Phone: +98 (936) 139-2929	