

Sadjad Rezvani

PERSONAL INFORMATION	<div>Semnan Science and Technology Park</div> <div>Shahaab CO</div> <div>Shahrood, Semnan Province, Iran</div> <div>Marital Status: Single</div> <div>web: <a href="https://sadjadrz.github.io">https://sadjadrz.github.io</a></div> <div>E-mails: <a href="mailto:sadjadrezvani@shahroodut.ac.ir">sadjadrezvani@shahroodut.ac.ir</a></div> <div>linkedin: <a href="https://www.linkedin.com/in/sadjadrz">linkedin.com/in/sadjadrz</a></div> <div>Mobile: +99 (990) 099-5452</div> <div>Zoom ID: 555 454 0514</div>
EDUCATION	<div><div>Shahrood University of Technology, Shahrood, Semnan Province, Iran</div><div>Master of Science in computer Engineering – artificial intelligence</div><div>Sep. 2020 – Sep. 2022</div><div><ul style="list-style-type: none"><li>GPA: 4/4 , 18.59/20</li><li>Thesis: “Masked face recognition using deep learning”</li><li>Advisor: Mansoor Fateh</li></ul></div></div> <div><div>Shahrood University of Technology, Shahrood, Semnan Province, Iran</div><div>Bachelor of Science in computer Engineering – Softwares</div><div>Sep. 2015 – Sep. 2019</div><div><ul style="list-style-type: none"><li>GPA: 3.53/4 , 16.92/20</li><li>Thesis: “Profiling web applications to improve intrusion detection”</li><li>Advisor: Mohsen Rezvani</li></ul></div></div>
RESEARCH INTERESTS	Machine Learning, Image Processing, Deep Learning, Generative AI, Image Reconstruction, Medical Image Analysis
JOURNAL PUBLICATIONS	<div>S. Rezvani, M. Fateh and H. Khosravi,” ABANet: Attention Boundary-Aware Network for image segmentation.” Expert systems, e13625, May 2024</div> <div>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, (Revised and Resubmitted July 2024).</div> <div>S. Rezvani, M. Fateh, A. Fateh and Y. jalali. ”FusionLungNet: Multi-scale Fusion Convolution with Refinement Network for Lung CT Image Segmentation.” Prepared for submission, 2024.</div>
WORK EXPERIENCE	<div><div>Shahaab, CO.</div><div>Role: Senior Computer Vision Software Engineer</div><div>Project: Face Recognition Engine</div><div>Oct. 2022 – Dec. 2023</div><div><ul style="list-style-type: none"><li>My project for passing military service</li><li>Designed and implemented various features of a face recognition engine utilizing advanced computer vision techniques</li><li>Created a user interface for demo purposes</li><li>Technical Skills: C++, OpenCV, C#</li></ul></div></div> <div><div>Cement Factory, Shahrood, Iran</div><div>Role: Senior Computer Vision Engineer</div><div>Project: Fire Detection Software</div><div>Jul. 2022 – Nov. 2022</div><div><ul style="list-style-type: none"><li>Contributed to a fire detection software project that leveraged computer vision techniques to detect fires and alert relevant authorities in real-time</li><li>Technical Skills: OpenCV, Pytorch</li></ul></div></div> <div><div>Hookan Salt Factory, shiraz, Iran</div><div>Role: Senior Computer Vision Software Engineer</div><div>Project: Salt Crack Sorting Machine</div><div>Nov. 2020 – Sep. 2021</div><div><ul style="list-style-type: none"><li>Worked on a project focused on detecting salt impurities in a manufacturing process</li><li>Utilized advanced image processing techniques to detect salt impurities in real-time</li><li>Technical Skills: OpenCV, Python, C#, C++</li></ul></div></div>

## 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

- 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. 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

Role: *Teaching Assistant*

Instructor: Dr. Mansoor Fateh

Spring 2022

##### Advance Software Engineering (for Bachelor Students)

Role: *Teaching Assistant*

Instructor: Dr. Hoda Mashayekhi

Fall 2019

##### Database (for Bachelor Students)

Role: *Teaching Assistant*

Instructor: Dr. Mohsen Rezvani

Fall 2019

Instructor: Mohsen Farhadi

Fall 2018

### HONOURS AND AWARDS

Recognition by Iran's National Elites Foundation for excellence in military service

2023

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

2022

### CERTIFICATIONS

AI for Medical Diagnosis, DeepLearning.AI

2023

Python Project for Data Science, IBM

2022

Generative Adversarial Networks (GANs) Specialization, DeepLearning.AI

2022

Machine Learning, Stanford University

2021

### REFERENCES

Mansoor Fateh

*Associate professor, Department of Computer Engineering, Shahrood University of Technology , Shahrood, Iran*

e-mail: mansoor\_fateh@Shahroodut.ac.ir

Phone: +98 (912) 373-8057

Hossein khosravi

*Associate professor, Department of Electrical Engineering, Shahrood University of Technology , Shahrood, Iran*

e-mail: hosseinKhosravi@ Shahroodut.ac.ir

Phone: +98 (936) 139-2929