

# Sadjad Rezvani

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## PERSONAL INFORMATION

E-mails: [sadjadrezvani@shahroodut.ac.ir](mailto:sadjadrezvani@shahroodut.ac.ir)  
web: <https://sadjadrz.github.io>  
My google scholar page

linkedin: [linkedin.com/in/sadjadrz](https://www.linkedin.com/in/sadjadrz)  
Mobile: +98 (990) 099-5452

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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

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## 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).

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## 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, 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**

- 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

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

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

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

Phone: +98 (912) 373-8057

Vahid Abolghasemi

*Associate professor, School of Computer Science and Electronic Engineering (CSEE), University of Essex, UK*

e-mail: v.abolghasemi@essex.ac.uk

Phone: +44 (0) 1206 873899

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