

Sadjad Rezvani

PERSONAL INFORMATION

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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, Image Processing, Deep Learning, Generative AI, Image Reconstruction, Medical Image Analysis

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

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, IranRole: *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, CORole: *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

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Hossein khosravi

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