

# Sadjad Rezvani

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## Personal Information

Semnan Science and Technology Park  
Shahaab CO  
Shahrood, Semnan Province, Iran  
Marital Status: Single  
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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

## Research Interests

Machine Learning, Image Reconstruction, Image Processing, GAN, Medical Image Analysis

## Work

### Experience

**Shahaab, CO.**

Role: *Senior Computer Vision Software Engineer*

Current Project: Face Recognition Engine Oct 2022 – Present

- My project for passing military service
- 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 – Present

- 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

<b>Journal Publications</b>	S. Rezvani, M. Fateh and H. Khosravi,” ABANet: Attention Boundary-Aware Network for image segmentation.” (Under Review)	
<b>Standardized Tests</b>	IELTS (Academic): will be taken <ul style="list-style-type: none"> <li>• Listening: , Writing:</li> <li>• Speaking: , Reading:</li> <li>• Test date:</li> </ul>	
<b>Programming Skills</b>	<ul style="list-style-type: none"> <li>• Programming: Python, C++, C#</li> <li>• Machine Learning: PyTorch, TensorFlow, Scikit-Learn, Numpy</li> <li>• Computer Vision: OpenCV</li> <li>• Database: Microsoft SQL Server, MySQL</li> </ul>	
<b>Academic Experience</b>	<b>Research Assistant</b> <i>Image And Video Processing Laboratory</i> Dec. 2021 – Sep. 2022 <ul style="list-style-type: none"> <li>• As part of my thesis research, I researched image reconstruction techniques for masked face recognition.</li> <li>• Mentored newly-arrived M.Sc. students to help with their proposals.</li> </ul>	
	<b>Teaching Assistant</b> <b>Deep Learning</b> Role: <i>Teaching Assistant</i> Instructor: Dr. Mansoor Fateh Spring 2022	
	<b>Advance Software Engineering (for Bachelor Students)</b> Role: <i>Teaching Assistant</i> Instructor: Dr. Hoda Mashayekhi Fall 2019	
	<b>Database (for Bachelor Students)</b> Role: <i>Teaching Assistant</i> Instructor: Dr. Mohsen Rezvani Fall 2019 Instructor: Mohsen Farhadi Fall 2018	
<b>Honours and Awards</b>	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
<b>Certifications</b>	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
<b>References</b>	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  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	