

# Sadjad Rezvani

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## PERSONAL INFORMATION

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

E-mails: [sadjadrezvani@shahroodut.ac.ir](mailto:sadjadrezvani@shahroodut.ac.ir)  
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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 2023 – 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

JOURNAL PUBLICATIONS	S. Rezvani, M. Fateh and H. Khosravi,” ABANet: Attention Boundary-Aware Network for image segmentation.” (submitted)		
STANDARDIZED TESTS	IELTS (Academic): will be taken <ul style="list-style-type: none"> <li>• Listening: , Writing:</li> <li>• Speaking: , Reading:</li> <li>• Test date:</li> </ul>		
PROGRAMMING SKILLS	<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>		
ACADEMIC EXPERIENCE	<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		
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 <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		