

# Sadjad Rezvani

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## PERSONAL INFORMATION

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

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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**
- 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**
  - Advisor: Mohsen Rezvani
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## RESEARCH INTERESTS

ML, DL, GenAI, Medical Image Analysis, Limited Data Solutions, Domain Adaptation

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## JOURNAL PUBLICATIONS

A. Fateh, Y. Rezvani, S. Moayedi, **S. Rezvani**, F. Fateh and M. Fateh. "BRISC: Annotated Dataset for Brain Tumor Segmentation and Classification with Swin-HAFNet." Arxiv, June 2025.

**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, March 2025.

**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 and H. Khosravi, "ABANet: Attention Boundary-Aware Network for image segmentation." Expert systems, May 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: *Computer Vision 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

**Hookan Salt Factory, shiraz, Iran**

Role: *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

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|------------------------|---|--|
| PROGRAMMING<br>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<br>EXPERIENCE | <p><b>Research Assistant</b></p> <p>CVLab <span style="float: right;">Dec. 2023 – now</span></p> <ul style="list-style-type: none"> <li>• To stay updated, I actively research advancements in computer vision and mentor M.Sc. students.</li> </ul> <p>CVLab <span style="float: right;">Dec. 2021 – Sep. 2022</span></p> <ul style="list-style-type: none"> <li>• As part of my thesis research, I researched image reconstruction techniques.</li> <li>• Mentored newly-arrived M.Sc. students to help with their proposals.</li> </ul> <p><b>Teaching Assistant</b></p> <p>Deep Learning <span style="float: right;">Spring 2022</span></p> <p>Computer Networks (for Bachelor Students) <span style="float: right;">Fall 2019</span></p> <p>Advance Software Engineering (for Bachelor Students) <span style="float: right;">Fall 2019</span></p> <p>Computer Architecture (for Bachelor Students) <span style="float: right;">Fall 2018</span></p> <p>Database (for Bachelor Students) <span style="float: right;">Fall 2018, 2017</span></p> |  |
| HONOURS AND<br>AWARDS  | <p>A member of Iran's National Elites Foundation <span style="float: right;">2023</span></p> <p>Third-ranked student in the master of Science in Computer Science program <span style="float: right;">2022</span></p>   |  |
| CERTIFICATIONS         | <p>AI for Medical Diagnosis, DeepLearning.AI, Coursera <span style="float: right;">2023</span></p> <p>Python Project for Data Science, IBM ,Coursera <span style="float: right;">2022</span></p> <p>Generative Adversarial Networks (GANs) Specialization, DeepLearning.AI , Coursera <span style="float: right;">2022</span></p> <p>Machine Learning, Stanford University, Coursera <span style="float: right;">2021</span></p>  |  |
| REFERENCES             | <p>Mansoor Fateh<br/> <i>Associate professor, Department of Computer Engineering, Shahrood University of Technology , Shahrood, Iran</i><br/> e-mail: mansoor_fateh@Shahroodut.ac.ir<br/> Phone: +98 (912) 373-8057</p> <p>Vahid Abolghasemi<br/> <i>Associate professor, School of Computer Science and Electronic Engineering (CSEE), University of Essex, UK</i><br/> e-mail: v.abolghasemi@essex.ac.uk<br/> Phone: +44 (0) 1206 873899</p> <p>Abdorreza AlaviGharahbagh<br/> <i>Assistant Professor, Electrical and computer engineering department, Islamic Azad University, Shahrood, Iran</i><br/> e-mail: abalavi.gh@ieee.org<br/> Phone: +98 (912) 573-2935</p>  |  |