

# Sadjad Rezvani

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| PERSONAL<br>INFORMATION | Semnan Science and Technology Park<br>Shahaab CO<br>Shahrood, Semnan Province, Iran<br>Marital Status: Single<br>web: <a href="https://sadjadrz.github.io">https://sadjadrz.github.io</a>   | E-mails: <a href="mailto:sadjadrezvani@shahroodut.ac.ir">sadjadrezvani@shahroodut.ac.ir</a><br>linkedin: <a href="https://www.linkedin.com/in/sadjadrz">linkedin.com/in/sadjadrz</a><br>Mobile: +99 (990) 099-5452<br>Zoom ID: 555 454 0514 |
| EDUCATION               | <b>Shahrood University of Technology</b> , Shahrood, Semnan Province, Iran<br><i>Master of Science in computer Engineering – artificial intelligence</i> Sep. 2020 – Sep. 2022 <ul style="list-style-type: none"><li>GPA: 4/4 , <b>18.59/20</b></li><li>Thesis: “Masked face recognition using deep learning”</li><li>Advisor: Mansoor Fateh</li></ul> <b>Shahrood University of Technology</b> , Shahrood, Semnan Province, Iran<br><i>Bachelor of Science in computer Engineering – Softwares</i> Sep. 2015 – Sep. 2019 <ul style="list-style-type: none"><li>GPA: <b>3.53/4</b> , <b>16.92/20</b></li><li>Thesis: “Profiling web applications to improve intrusion detection”</li><li>Advisor: Mohsen Rezvani</li></ul>  |   |
| RESEARCH<br>INTERESTS   | Machine Learning, Image Reconstruction, Image Reconstruction, Image Processing, GAN, Medical Image Analysis   |   |
| WORK<br>EXPERIENCE      | <b>Shahaab, CO.</b><br>Role: <i>Senior Computer Vision Software Engineer</i><br>Project: Face Recognition Engine Oct. 2023 – Dec. 2024 <ul style="list-style-type: none"><li>My project for passing military service</li><li>Designed and implemented various features of a face recognition engine utilizing advanced computer vision techniques</li><li>Created a user interface for demo purposes</li><li><b>Technical Skills:</b> C++, OpenCV, C#</li></ul> <b>Cement Factory, Shahrood, Iran</b><br>Role: <i>Senior Computer Vision Engineer</i><br>Project: Fire Detection Software Jul. 2022 – Nov. 2022 <ul style="list-style-type: none"><li>Contributed to a fire detection software project that leveraged computer vision techniques to detect fires and alert relevant authorities in real-time</li><li><b>Technical Skills:</b> OpenCV, Pytorch</li></ul> <b>Hookan Salt Factory, shiraz, Iran</b><br>Role: <i>Senior Computer Vision Software Engineer</i><br>Project: Salt Crack Sorting Machine Nov. 2020 – Sep. 2021 <ul style="list-style-type: none"><li>Worked on a project focused on detecting salt impurities in a manufacturing process</li><li>Utilized advanced image processing techniques to detect salt impurities in real-time</li><li><b>Technical Skills:</b> OpenCV, Python, C#, C++</li></ul> <b>Shahaab, CO</b><br>Role: <i>Senior Software Engineer</i><br>Project: Plate Recognition Software, Jun. 2019 – Dec. 2023 <ul style="list-style-type: none"><li>Contributed to the development of a desktop software that connects to CCTV cameras, recognizes license plates, and stores data</li><li>Contributed to the ongoing maintenance and improvement of the software</li><li><b>Technical Skills:</b> C#, SQL</li></ul> |   |

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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  |      |  |
| 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><br><i>CVLab</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><br><b>Deep Learning</b><br>Role: <i>Teaching Assistant</i><br>Instructor: Dr. Mansoor Fateh Spring 2022<br><br><b>Advance Software Engineering (for Bachelor Students)</b><br>Role: <i>Teaching Assistant</i><br>Instructor: Dr. Hoda Mashayekhi Fall 2019<br><br><b>Database (for Bachelor Students)</b><br>Role: <i>Teaching Assistant</i><br>Instructor: Dr. Mohsen Rezvani Fall 2019<br>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<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<br><br>Hossein khosravi<br><i>Associate professor, Department of Electrical Engineering, Shahrood University of Technology , Shahrood, Iran</i><br>e-mail: hosseinKhosravi@ Shahroodut.ac.ir<br>Phone: +98 (936) 139-2929   |      |  |