



Alireza Sadeghi

Alireza Sadegi (CV)

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📍 Hamadan, Iran



Education

Diploma in Mathematics & Physics

Institute/School: Imam Khumeini

Hamadan, Iran

GPA : 18

Bachelor of Computer Engineering

Branch: Software

Institute/University: Hamedan University of Technology

Hamadan, Iran

2016 - 2020

GPA : 16.98

Master of computer science

Branch: Ai

Institute/University: Bu-Ali Sina University

Hamadan, Iran

2020 - 2023

GPA : 19



Work Experience

Remote Full Stack Developer

Develop and Conquer

Toronto, Canada

2020 - Present



Research

Two-step automatic segmentation of brain hippocampus in MR images using deep neural networks

Publisher: IPM

2022

With Dr.khotanlou, Dr.Rezayian

Hippocampus segmentation in MR brain images using learned fuzzy mask and U-Net

Publisher: IPRIA

2023

With Dr.khotanlou,

Breast cancer segmentation and detection in mammograms' images with deep neural networks

With Dr.Afrasiabi

Ensemble model for hippocampus segmentation

With Dr.khotanlou



Projects

Face recognition to prevent theft

For: Bachelor's project at Hamadan University of Technology



Profile Summary

My name is Alireza, and I hold a bachelor's degree in software engineering from Hamedan University of Technology, which I completed in 2020. Additionally, I earned a master's degree in artificial intelligence engineering from Bu-Ali Sina University in 2023. Currently, I am actively involved in both academia and industry.

In the academic sphere, I teach computer science courses at the university, sharing my knowledge and expertise with aspiring students. Simultaneously, in the professional world, I work as a software developer and web designer at Develop and Conquer Company, where I contribute to various projects, applying my skills in web development. I have several years of professional experience working with the React framework and I have experience working with Python and Django.

In addition to my professional work, I have mentored several interns, guiding them in their development as programmers. I have also had the privilege of mentoring and nurturing the talents of a few junior developers, helping them grow in their careers.

During my master's program, I focused my research on image analysis, particularly specializing in Hippocampus segmentation in MR Images using Artificial Neural Networks (ANN). I was honored to be recognized as the top-performing student in both my bachelor's and master's programs.

My academic journey has been enriched by practical experiences in the industry. This combination of teaching, mentoring, and hands-on work has provided me with a comprehensive perspective on the field of computer science.



Language

English



Gender recognition based on facial image

For: Pattern recognition project

Chat bot and voice assistant

For: Develop and Conquer

2021

Research Assistant and Developer in the Project: Facial Recognition-Based Security System Design for Preventing Vehicle Theft

For: Governor of Hamedan Province

2019

Project supervisor: Dr. Mohammad Reza Rezaiyan

Research Assistant in the Project: Designing a Surveillance and Security System for Detecting and Controlling Abnormal Behaviors in Prisons

For: IT Department of Hamedan Province Prisons Department

2023

Frontend Developer of Smilin Project

For: Develop and Conquer

Clinic management dashboard and payments

Pledge

For: Develop and Conquer

Platform to transfer and receive money

Memberpoint

For: Develop and Conquer

Platform to buy and sell membership

ERP

For: Develop and Conquer

Business management system



Honors

1st place - The first electronic sports and artificial intelligence Olympiad of BU -Ali Sina University

2023

2st place - Programming competition of Western Iran of Hamadan University of Technology

2018



Teaching

Teacher Assisted

BASU & HUT

- Pattern recognition and deep learning (Dr. Hassan Khatanlu)
- Operating systems - Formal Languages - Algorithm design (Dr. Mirhossein Dezfulian)
- Information Technology (Dr. Mohammad Reza Rezaiyan)
- Data Structure (Dr. Fatemeh Amiri and Dr. Samira Khodabandelo)
- Web Design (Dr. Reza Mohammadi)

lecturer

Technical and Vocational University of Hamedan

- Operating System and OS Lab
- Web Design 1 & 2

Instructor of online courses

Hamrueyesh

Link : <https://hamrueyesh.com/>

- Tensorflow and python
- Cython
- Reactjs

Instructor of online courses

Rastava Academy

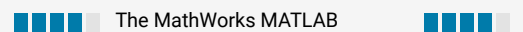
Link : <https://rastava.academy/>

- AI
- Machine learning and ANN (Tensorflow, Keras)
- Fullstack Web Design



Skills

Python



The MathWorks MATLAB



Web Design

