

Seyyed Morteza Hashemi

Seeking to be a Computer Scientist



Address: Room 202, Dept. of Comp. Sci. & IT,
Institute for Advanced Studies in Basic Sciences
(IASBS), Zanjan, Iran

Email: smhashemi@hotmail.com

Skype: smhashemi

Website: www.iasbs.ac.ir/~morteza-hashemi

Tel: +98 936 747 3838

Scholar: <https://scholar.google.com/citations?user=5wCKdagAAAAJ>

Researchgate: https://www.researchgate.net/profile/Morteza_Hashemi2

Github: www.github.com/mrha38

Research Interest

I am fascinated by Machine Learning, especially deep learning. I enjoy solving problems using machine learning. Especially when I can improve the performance by innovating and presenting a new method or architecture. Currently, I am working on an Attention-based method to solve "Drug Target Interaction" in bioinformatics, and a personal project to forecasting the price in the Forex market using deep learning.

Education

M.Sc in Artificial intelligence (Computer Science)

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran. (Scholarship of government)

Thesis Title: Novelty Class Detection Using Deep Learning

Supervisor: Dr. Parvin Razzaghi

09 / 2018 – 2022

B.Eng in Software Engineering

Shamsipour Technical and Vocational College, Tehran, Iran. (Scholarship of government)

Supervisor: Dr. Kaveh Ahmadi

01 / 2015 – 06 / 2018

A.E in Software Engineering

Mohajer Technical And Vocational College of Isfahan, Isfahan, Iran. (Scholarship of government)

Supervisor: Dr. Mohammad Reza Mojtabayi

09 / 2011 – 01 / 2014

Relevant graduate courses passed

Deep Learning (20)	Robot Motion Planning (19)	Artificial Neural Network (17)
Advanced Data Mining (17)	Computer Vision (18.25)	Artificial Intelligence (19.25)

Publications

Seyyed Morteza Hashemi, Parvaneh Aliniya, Parvin Razzaghi. (2022)

Connective Reconstruction-based Novelty Detection. (preprint)

Arash Zabihian, Faeze Zakaryapour Sayyad, Seyyed Morteza Hashemi, Mohsen Hooshmand, Sajjad Gharaghani. (2022)

DEDTI vs IEDTI: Efficient and Predictive Models of Drug-Target Interactions. (preprint)

Seyyed Morteza Hashemi, Arash Zabihian, Mohsen Hooshmand, Sajjad Gharaghani, Mohammad-Ali Shahbazi. (2022)

DRaW: An Objection on Using Matrix Factorization for Drug-Repurposing - Prediction of Covid-19 Antivirals by Deep Learning as a Case Study. (Submitted to BMC Bioinformatics)

Job Experience

Research Assistant

IASBS Bioinformatics Lab

Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

Jan 2022 – Present

Online Appointment Booking Website

Web-based, PHP (Laravel)

Shiraz Hair Transplant and Beauty Clinic, Shiraz, Iran.

01 / 2021 - 10 / 2021

Android Developer

Simab Tashkhis, Shiraz, Iran.

Participating in Several Projects:

- 1- Power Transformer Anti Theft Alarm Application
- 2- Internal Navigation Map Developments
- 3- Company's Information System

05 / 2018 - 12 / 2018

Online Health Guidance System

Web-based, PHP (Laravel) and Android Application

Healthy Life startup, Shiraz, Iran.

03 / 2017 - 9 / 2017

Local NICU System

Web-based, PHP

Isfahan University of Medical Science, Isfahan, Iran.

10 / 2015 - 05 / 2016

Android Developer

Online Questionnaire Form for Retail Audit Project

Agah Market Research Agency, Tehran, Iran.

03 / 2015 - 07 / 2015

Free-Lancer

Android and PHP Developer

2009 - 2021

Computer Skills

Programming languages

Python

Java

Android

C++

PHP

MATLAB

SQL

Frameworks

Tensorflow

Keras

Pytorch

OpenCV

Numpy

Pandas

Skitlearn

Laravel

Operating Systems

Microsoft Windows

Linux

Personal Projects

Online Pictures Archive Service

Developing a Website and an Android Application for Online Pictures Archive Service

05 / 2015 - 10 / 2018

Calculator Gestational Age

Developing an Android Application for Calculating Gestational Age, Proper for Radiologists and Midwives

02 / 2015

Social Network

Developing a Social Network

09 / 2012 - 12 / 2013

Some Activities

Teaching Assistant of Deep Learning at the Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

03 / 2020 - 06 / 2020

Teaching Assistant of Machine Learning at the Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

12 / 2019 - 03 / 2020

Teaching Assistant of Artificial Intelligence at the Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

12 / 2018 - 03 / 2019

Certificates

Price Action, Agah Group. 02 / 2021

Elliott Wave Analysis, Agah Group. 01 / 2021

Fourth IPM Advanced School on Computing: Artificial Intelligence, Institute for Research in Fundamental Sciences (IPM). 09 / 2020

Expert Advisor Programming in "Tehran Stock Exchange" website, Agah Group. 08 / 2020

Trading techniques on the "Tehran Stock Exchange" website, Agah Group. 02 / 2020

Certificate of workshop in the field of "Deep learning using PyTorch", Institute for Advanced Studies in Basic Sciences, Zanjan, Iran. 02 / 2018

Certificate of workshop in the field of "R Programming", Institute for Advanced Studies in Basic Sciences, Zanjan, Iran. 02 / 2018

First place in the Students Programming Olympiad. 05 / 2006

Languages

Persian (Native)

English (Upper Intermediate)

Arabic (Elementary Proficiency)

References

DR. Parvin Razzaghi

Assistant Professor in Department of Computer Science and Information Technology,
Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

Thesis Supervisor

Email: p.razzaghi@iasbs.ac.ir

Telephone: +98 24 3315 3375

DR. Mohsen Hooshmand

Assistant Professor in Department of Computer Science and Information Technology,
Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

Email: mohsen.hooshmand@iasbs.ac.ir

Telephone: +98 24 3315 3403