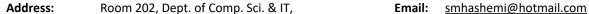
# **Seyyed Morteza Hashemi**

### Seeking to be a Computer Scientist



Institute for Advanced Studies in Basic Sciences

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Scholar: <a href="https://scholar.google.com/citations?user=5wCKdagAAAAJ">https://scholar.google.com/citations?user=5wCKdagAAAAJ</a>
Researchgate: <a href="https://www.researchgate.net/profile/Morteza\_Hashemi2">https://www.researchgate.net/profile/Morteza\_Hashemi2</a>

**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 Larav	Tensorflow	Keras	Pytorch	OpenCV	Numpy	Pandas	Skitlearn	Laravel
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## **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

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DR. Mohsen Hooshmand

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

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