Parsa Salehipour

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Birth	13 September 1999 - Birjand, Iran

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Education

2017–2022 — **B.Sc. in Computer Engineering**, *Department of Computer Engineering*, Ferdowsi University of Mashhad, Iran

- Total GPA: 16.89/20 (3.42/4)
- Last 59 credits GPA: 18.70/20 (3.9/4)

Languages

- English: **IELTS overall band score: 7.5** → L(8.5), R(7), W(6.5), S(7)
- Persian: Mother tongue

Programming and Computer Skills

Python	Advanced, 2018 - Present	C	Basic, 2017
Java	Intermediate, 2017 - Present	C++	Intermediate, 2017 - Present
Javascript	Intermediate, 2019 - Present	Kubernetes	Basic, 2022 - Present
Django	Intermediate, 2020 - Present	Docker	Intermediate, 2021 - Present

+ Familiar with: Git, OpenStack, Linux commandline, Markup Languages

Teaching Experiences

2021–2022 — **Object-Oriented Design of Systems**, *Teacher Assistant, Delivered lectures, Graded 250+ student papers*, Department of Computer Engineering
Supervised by Dr. Abbas Rasoolzadegan

2022 — **Fundamentals of Cloud Computing**, *Teacher Assistant, Delivered lectures*, Department of Computer Engineering
Supervised by: Dr. Shaghayegh Izadpanah

Work Experiences

Summer 2021 — **Internship**, *Part Software Group*, Web Developer, Company size 200+

2020–Present — **Freelance Programmer**, *Remote Web Developer in a Team of 2 Members*, 5+ commercial projects

Contests

January 2020 — **Sharif AI challenge 2020**, *Reached top 8 teams in the final match* , Fifth place in friendly matches

2017 — **FUM gamejam**

Related Courses

- Design of Algorithms: 17.9/20
- Information Retrieval: 17.3/20
- Data Mining: 20/20
- Fundamentals of Computational Intelligence: 20/20

Selected Projects

2022 **Degree project: Measuring hand anthropometric features based on its 3D scanned mesh(ongoing)**, Prof. Hamidreza Pourreza

2021 **Solving magic square using genetic algorithm (parallel implementation)**, Courses: Multicore Programming, Dr. Abdolreza Savadi, written with C++, OpenMP

2021 **Identifying frequent items sets of Digikala (Iranian marketplace) public dataset using the Apriori algorithm**, Course: Data Mining, Dr. Behshid Behkamal

2021 **Applying distribution based (DBSCAN) and centroid based (K-Means) clustering algorithms on Digikala (Iranian marketplace) and Divar (Iranian equivalent of e-Bay) public datasets to cluster cities based on the features of items sold in them.**, Course: Data Mining, Dr. Behshid Behkamal

2021 **Implementation of crawling program that extracts and analyzes data from digikala.com (Iranian marketplace) based on selenium web driver as a software testing practice**, Course: Software Testing, Dr. Samad Paydar, written with Python

2021 **Implementaion of a recommendation system on a book dataset using pearson, cosine similarity and collaborative-filtering algorithms.** , Course: Information Retrieval, Dr. Mohsen Kahani, written with Python, Surprise

2021 **Fine-tuning NASnet image classification model for a small set of 500 image (19 categories) dataset. Then, trying to optimize parameters of an autoencoder to generate new images using genetic algorithm.**, Course: Fundamentals of Computational Intelligence, Dr. Ehsan Fazl-ersi, written with Python, Tensorflow

2021 **Fine-tuning the small BERT model for classifiying a relatively dataset of 500 texts (19 categories) dataset.**, Course: Fundamentals of Computational Intelligence, Dr. Ehsan Fazl-ersi, written with Python, Tensorflow

2019 **Implementation of uninformed search algorithms (BFS , DFS ,BDS,), and informed (IDASTAR, Astar) with database pattern, and manhattan distance+linear conflicts on n-puzzle game.**, Course: Fundamentals of Artificial Intelligence, Dr. Saeid Abrishami, written with C++

References

Prof. Hamidreza Pourreza
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Dr. Abbas Rasoolzadegan
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Dr. Haleh Amintoosi
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