Mahsa Khazaee

 Tehran   ✉ mahsakhazaee@yahoo.com   📞 +989383232692   in mahsa-khazaee

Education

M.Sc **Amirkabir University of Technology**, Computer Science   Sept 2020 – May 2023
- Branch: Algorithm and theory of computation
- GPA: 3.51/4.0
- Advisor: Dr. Ali Mohades Khorasani

B.Sc **Alzahra University**, Computer Science   Sept 2016 – July 2020
- GPA: 3.1/4.0

Experiences

Graduate Thesis   Amirkabir University
            Spring 2022 – Spring 2023
- Solving Algorithmic Problems with Computational geometry Approach

Machine Learning and NLP   Amirkabir University
            Fall 2020 – Spring 2021
- Applying Machine Learning Algorithms in Python for Pattern Analysis and Interpretation.

Data mining   Alzahra University
            Fall 2019
- Implementing Naïve Bayes, Decision Trees, Linear Regression, and Logistic Regression in Python on Various Datasets.

Web Development   Alzahra University
            Spring 2019
- Designing a Collaborative Web Page using HTML-CSS

Compiler   Alzahra University
            Spring 2019
- Implementing Analyzers with LL(1) and LR(1) Grammers in Python.

OS Process Scheduling   Alzahra University
            Fall 2018
- Developing Process Scheduling Algorithms in Python including SRT, SPN, FCFS and RR.

Network   Alzahra University
            Fall 2019
- Ask Paniz

Cross-Platform App Development   Alzahra University
            Spring 2020
- Creating Cross-Platform Applications using QT and OpenGL

Game Development   Alzahra Univrsity
            Fall 2016
- Creating a Graphical Snake game using Python

Teaching Experience

Instructor / Python   Mojtama Fani of Tehran
            2021 – 2022
- Practical teaching of Python Programming language for Adults and Teenagers.

Instructor / Algorithms and Fundamental Programming   Mojtama Fani of Tehran
            2021 - 2022
- Teaching Data Structures and Algorithms
- Practical Instruction in fundamental programming using Python
- Implementation of Algorithms and Data Structures using Python.

Teacher Assistant / AI

Alzahra University
2020

- Preparing assignments for the "Artificial Intelligence" course.
- Running and Teaching online practice session classes.

Teacher Assistant / Fundamental Theory of Computation

Alzahra University
2019

- Preparing assignments for the "Fundamental Theory of Computation" course.
- Running and Teaching practice session classes.

Teacher Assistant / Advanced Programming

Alzahra University
2018

- Preparing assignments for the "Advanced Programming" course.
- Running and Teaching practice session classes.

Skills

- **Programming**: Python, Java, C++, HTML/CSS
- **Miscellaneous**: Computational Geometry, Algorithm Analysis, Linux, Latex, Microsoft office, Git
- **Soft Skills**: Time Management, Teamwork, Problem-Solving, Documentation, Engaging Presentation

Languages

- **English**: Fluent
- **Persian**: Mother Tongue

Activities

AlgoCG Seminar Organizer

Amirkabir University
2021

- Organizing and managing of weekly seminars on Algorithms and Computational Geometry.

Member of CS Student Scientific and Cultural Association

Alzahra University
2017 - 2020

- A proactive member of Journal club group, subset of the CS Student Scientific Association, Whose Organizes seminars on Computer Science topics.
- Organizer of cultural events apropos of the nation's festivals.

Honors and Awards

Government Fellowship

2016

- Received for Bachelor's degree

Government Fellowship

2020

- Received for Master's degree

Top 20% in the university entrance exam

2020

- Ranked in the top 20% in the university entrance exam for the master's degree.