

# Ashkan Safari

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## Personal Information

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**Nationality:** Iranian

**Birth-date:** 9th July, 1996

**WebSite:** www.ashkansafari.com

## Languages

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**Persian:** native

**Azari:** native

**English:** fluent (speaking, reading, listening, writing)

## Education

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### Institute for Advanced Studies in Basic Sciences (IASBS)

*M.Sc. (Master of Science) in Computer Science*

*GPA: 19.94/20.00, Total 18 Credits Completed, Class rank: 1 of 17*

*Supervisor: Dr. Mansoor Davoodi Monfared*

**Zanjan, Iran**

*2018–Present*

### Institute for Advanced Studies in Basic Sciences (IASBS)

*B.Sc. (Bachelor of Science) in Information Technology*

*GPA: 18.57/20.00, Total 210 Credits Completed, Class rank: 2 of 46*

*Supervisor: Dr. Mansoor Davoodi Monfared*

**Zanjan, Iran**

*2014–2018*

## Research Interests and Areas

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- Theoretical Computer Science
- Approximation Algorithms
- Optimization
- Progressive Algorithms

## Research Experience

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### ⇒: 11th Winter School on Computational Geometry (February 2019)

↔: Amirkabir University of Technology, Tehran, Iran

↔: Invited Speakers: Kevin Buchin, Martin Nollenburg

## Research Experience in Laboratories

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### ⇒: RoboCG Lab. (2017-Present)

↔: Leading Researcher: Dr. Mansoor Davoodi Monfared

↔: Key Responsibilities: Constructing a language model based on NLP techniques for translating voice and text to Persian sign language.

### ⇒: Cloud Computing Lab. (2015)

↔: Leading Researcher: Mr. Mohamad Ali Farajian

↔: Key Responsibilities: Installing and customizing OpenStack private cloud.

## Programming Skills

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**Languages:** C++, Python, Matlab, JavaScript, C#, PHP, Erlang

**Database:** MySQL, MongoDB

**Tools:** Unity, Blender

**Other Skills:** Web Development, Game Development

## Teaching Assistant

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⇒: **Data Structure (Spring 2019)**

↔: Teacher: Dr. Mansoor Davoodi Monfared

⇒: **Algorithms Design (Winter 2019)**

↔: Teacher: Dr. Mansoor Davoodi Monfared

⇒: **Data Structure (Fall 2018)**

↔: Teacher: Dr. Mansoor Davoodi Monfared

⇒: **Artificial Intelligence (Fall 2017)**

↔: Teacher: Dr. Parvin Razzaghi

⇒: **Data Structure (Fall 2015)**

↔: Teacher: Mr. Mehdi Khosravian

## Current Project

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⇒: **AvaNama (2017-Present)**

↔: Description: AvaNama is a software for translating text and voice to Persian sign language, with the goal of improving communication between the deaf and hearing.

↔: Supervisor: Dr. Mansoor Davoodi Monfared

↔: WebSite: [www.avanama.org](http://www.avanama.org)

## Prizes

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⇒: **2nd Place in FinTech Competition (Winter 2016)**

↔: Description: Implementing "BidWin", an online auction website.

↔: Location: Science and Technology Park, Zanjan, Iran

## Some Passed Courses

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|------------------------------|--------------------------|
| - Advanced Algorithms        | - Algorithms Design      |
| - Approximation Algorithms   | - Computational Geometry |
| - Robot Motion Planning      | - Data Structure         |
| - Probability and Statistics | - Discrete Mathematics   |
| - Operations Research        | - Machine Learning       |
| - Computational Data Mining  | - Expert Systems         |

## References

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### **Dr. Mansoor Davoodi Monfared**

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