# Iman Irandoost

## Personal Information

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| **Address:** | Isfahan University of Technology, Isfahan, Iran |
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| **Phone:** | +98 939 526 1668 |
| **Date of Birth:** | September 22nd, 1994 |

## Research Interests

- Artificial Intelligence: *Machine Learning, Data Mining, Natural Language Processing*
- Human Computer Interaction: *Intelligent Interfaces, Recommendation Systems, UI/UX Design*
- Algorithms & Data Structures: *Graph Algorithms, String Algorithms, Intelligent Transportation Systems*
- Mathematics: *Combinatorics, Number Theory, Linear Algebra*

## Education

**2012 - Present**   **Isfahan University of Technology**
**B. Sc.** of Software Engineering
**Thesis:** Design of a Real-time Vehicle Detection System with Deep learning
**Advisor:** Dr. Nader Karimi
**GPA:** 16.25/20.00

## Relevant Academic Courses

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|:---|:---|:---|:---|
| Introduction to Programming | *20.0/20.0* | Human Computer Interaction | *18.5/20.0* |
| Advanced Programming | *19.1/20.0* | Combinatorics | *17.8/20.0* |
| Data Structures | *20.0/20.0* | Automata Theory | *18.1/20.0* |
| Design and Analysis of Algorithms | *19.1/20.0* | IT Project Management | *18.7/20.0* |
| Artificial Intelligence *(Ranked 1st)* | *16.0/20.0* | Web Programming | *19.1/20.0* |

## Honors and Awards

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| ACM ICPC | Ranked 14th Place in 39th ACM-ICPC Asia Tehran Regional with TiZii Team ⬈ |
| | Honorable Mention in 38th ACM-ICPC Asia Tehran Regional with TiZii Team ⬈ |
| Online Programming Contests | Ranked 1st Place in IIPC 2015 Isfahan University with TiZii Team ⬈ |
| | Ranked 4th Place in IIPC 2015 Amir Kabir UT with TiZii Team ⬈ |
| | Ranked 9th Place in IIPC 2015 Sharif UT with TiZii Team ⬈ |
| | Ranked 99th among 1416 participants in Indeed Prime Code Sprint 2015 ⬈ - ⬈ |
| Sharifcup | Ranked 2nd Place in Sharifcup 2015 Control Traffic League with iTiZ Team ⬈ |
| ICPC Challenge | Ranked 3rd Place in Iranian ICPC Challenge 2015 with TiZii Team ⬈ |
| Online Judge Websites | Ranked 237th among about 210,000 Users in UVa Online Judge ⬈ |
| | 97th percentile of Algorithms Domain in HackerRank Website ⬈ |
| Konkoor | Ranked 281st among about 500,000 Student in National University Entrance Exam in Math and Physics (a.k.a. Konkoor) |
| Wrestling | Bronze Medal in National University Wrestling Championships 2015 Regionals |

## EXPERIENCES

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|---|---|
| *Research Assistant* | **Department of Transportation Engineering,** *Isfahan UT, Spring 2016-Current* |
| | *Research on Intelligent Transportation Systems, Under Supervision of Dr. M. Tamannaei* |
| *Teaching Assistant* | **Design and Analysis of Algorithms,** *Isfahan UT, Spring 2015* |
| | **Advanced Programming,** *Isfahan UT, Spring 2014 and Spring 2015* |
| | **Introduction to Programming,** *Isfahan UT, Fall 2014* |
| *Intern* | **Farsiad. Co** ⧉, *Isfahan, Iran, Summer 2016* |
| | *Analyzing Big Data and providing meaningful, real-time and effective recommendations.* |
| *Tutor* | **Introduction to Competitive Programming,** *Isfahan UT, Spring 2015* |

## PROJECTS

- Real-time Vehicle Detection System with Deep learning
  *Developing a Real-time Vehicle Detection System with Deep learning using Python, cv2, lasange, sklearn*

- Business Project Management System using Java EE and Spring Framework
  *Developing a BPMS using Java EE, Spring, Hibernate, Soap webservices, Quartz, JSF, Primefaces, …*

- Attendance System using Face Recognition over Web
  *Developing an attendance System by Face Recognition using C#, EmguCV, Soap Webservice, …*

- Crew Scheduling in Iranian Railway Network
  *Developing a Crew Scheduling System using Java, BFS, Branch and Bound (Set Covering Problem)*
  *Under Supervision of Dr. Tamannaei*

- Implementing Spam Detection with Naïve Bayes on Android
  *Implementing Spam Detection (Text Classification) with Naive Bayes on Android using Java, Sqlite*

## SKILLS

- Programming Languages: *Java, C++, C#, Python, Javascript, HTML/CSS, SQL, PHP, Go*
- Data Mining and Analyzing Tools: *Python, R, Weka, IPython Notebook, R Studio, Microsoft Excel*
- Development and Design Tools: *Git, JetBrains IDEs, Visual Studio, Android Studio, Axure RP, Photoshop*
- Operating Systems: *Manjaro Linux, Ubuntu, Microsoft Windows*
- Other: *IBM CPLEX, UDK Game Engine, Cry Game Engine,* LaTeX

## LANGUAGES

| | | | |
|---|---|---|---|
| PERSIAN: | *Native proficiency* | KURDISH: | *Native proficiency* |
| ENGLISH: | *Professional working proficiency* | ARABIC: | *Elementary proficiency* |

## HOBBIES

Programming, Wrestling, Swimming, Football, Basketball, Reading Inspirational Books

## REFERENCES

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