

IMAN IRANDOOST

PERSONAL DATA

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DATE OF BIRTH: September 22nd, 1994

RESEARCH INTERESTS

- Artificial Intelligence: *Machine Learning, Pattern Recognition, Natural Language processing*
- Data Science: *Data Analyzing, Data Mining, Data Visualization*
- Human Computer Interaction: *UI/UX Design, Intelligent Interfaces*
- Algorithms & Data Structures: *Intelligent Transportation Systems, CSPs, Max Flow Problems*
- Mathematics: *Combinatorics, Game Theory, Number Theory*

EDUCATION

2013 - 2016 Isfahan University of Technology
B. Sc. of Software Engineering
GPA: 16.25/20.00

EXPERIENCES

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|---------------------------|---|
| <i>Research Assistant</i> | Department of Transportation Engineering, Isfahan UT, Spring 2016-Current Research on Intelligent Transportation Systems, Under Supervision of Dr. M. Tamannaei, |
| <i>Instructor</i> | Introduction to Competitive Programming, Isfahan UT, Spring 2015 |
| <i>Teaching Assistant</i> | 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 |
| <i>Internship</i> | Farsiad. Co, Isfahan, Iran, Summer 2016 Analyzing Big Data and providing meaningful, real-time and effective recommendations. |

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

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| PERSIAN: <i>Native proficiency</i> | KURDISH (KURMANJI): <i>Native proficiency</i> |
| ENGLISH: <i>Professional working proficiency</i> | ARABIC: <i>Elementary proficiency</i> |

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 🔗 |
| Iranian ICPC | 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 🔗 In 97th Percentile of Algorithms Domain In HackerRank Website 🔗 |
| Konkoor | Ranked 281th Among About 500,000 Student In National University Entrance Exam in Math and Physics (a.k.a. Konkoor) |

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 webservises, Quartz, JSF, Primefaces, ...
- Attendance System Using Face Recognition over Web
Developing an attendance System Using Face Recognition Using C#, EmguCV, Soap Webservice, ...
- Implementing Spam Detection with Naive Bayes on Android
Implementing Spam Detection (Text Classification) with Naive Bayes on Android Using Java, Sqlite
- 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
- Simple Spreadsheet Windows Application Using Qt
Developing Simple Spreadsheet Windows Application Using C++, Qt, OpenCV

SELECTED ACADEMIC COURSES

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| Introduction to Programming | 20.0/20.0 (Ranked 1st) |
| Advanced Programming | 19.1/20.0 (Ranked 1st) |
| Data Structures | 20.0/20.0 (Ranked 1st) |
| Design and Analysis of Algorithms | 19.07/20.0 |
| Artificial Intelligence | 16.0/20.0 (Ranked 1st) |
| Human Computer Interaction | 18.5/20.0 |
| Automata Theory | 18.1/20.0 (Ranked 2nd) |
| Combinatorics | 17.75/20.0 |
| Web Programming | 19.12/20.0 (Ranked 2nd) |

REFERENCES

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|--|-------------------------------|---|
| Dr. Nader Karimi 🔗 | Assistant Prof. at Isfahan UT | nader.karimi@cc.iut.ac.ir 🔗 |
| Dr. Mehran Safayani 🔗 | Assistant Prof. at Isfahan UT | safayani@cc.iut.ac.ir 🔗 |
| Dr. Mohammad Tamannaei 🔗 | Assistant Prof. at Isfahan UT | m.tamannaei@cc.iut.ac.ir 🔗 |
| Mr. Alireza Norouzi 🔗 | B.Sc. Student at Isfahan UT | alireza0xn@gmail.com 🔗 |