

# IMAN IRANDOOST

## PERSONAL DATA

---

ADDRESS: Isfahan University of Technology, Isfahan, Iran  
EMAIL: [imn.irdst@gmail.com](mailto:imn.irdst@gmail.com) [✉](#)  
PERSONAL WEBSITE: [imnirdst.github.io](http://imnirdst.github.io) [✉](#)  
PHONE: +98 939 526 1668  
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, Linear Algebra*

## EDUCATION

---

**2013 - 2016 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

## SELECTED ACADEMIC COURSES

---

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

## HONORS AND AWARDS

---

ACM ICPC	Ranked 14th Place in 39th ACM-ICPC Asia Tehran Regional with TiZii Team <a href="#">✉</a> Honorable Mention in 38th ACM-ICPC Asia Tehran Regional with TiZii Team <a href="#">✉</a>
Online Programming Contests	Ranked 1st Place in IIPC 2015 Isfahan University with TiZii Team <a href="#">✉</a> Ranked 4th Place in IIPC 2015 Amir Kabir UT with TiZii Team <a href="#">✉</a> Ranked 9th Place in IIPC 2015 Sharif UT with TiZii Team <a href="#">✉</a> Ranked 99th Among 1416 Participants in Indeed Prime Code Sprint 2015 <a href="#">✉</a> - <a href="#">✉</a>
Sharifcup	Ranked 2nd Place in Sharifcup 2015 Control Traffic League with iTiZ Team <a href="#">✉</a>
ICPC Challenge	Ranked 3rd Place in Iranian ICPC Challenge 2015 with TiZii Team <a href="#">✉</a>
Online Judge Websites	Ranked 237th Among About 210,000 Users In UVa Online Judge <a href="#">✉</a> 97th Percentile of Algorithms Domain In HackerRank Website <a href="#">✉</a>
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

---

**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

**Internship** | 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 webservises, Quartz, JSF, Primefaces, ...*
- **Attendance System Using Face Recognition over Web**  
*Developing an attendance System Using 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

---

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

## HOBBIES



---

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

## REFERENCES

---

**Dr. Nader Karimi**   
Assistant Professor  
Electrical & Computer Engineering Dept.  
Isfahan University of Technology  
Email: nader.karimi@cc.iut.ac.ir   
Phone: +98 313 391 5025

**Dr. Mohammad Tamannaei**   
Assistant Professor  
Transportation Engineering Dept.  
Isfahan University of Technology  
Email: m.tamannaei@cc.iut.ac.ir   
Phone: +98 313 391 1400