Iman Irandoost

Personal Information

Address:	Isfahan University of Technology, Isfahan, Iran
email:	imn.irdst@gmail.com ⬀
Personal Website:	imnirdst.github.io ⬀
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: *Social Computing, Visualization, Interaction Design*
- Algorithms & Data Structures: *Graph Algorithms, String Algorithms, NP-Hard Problems*

Education

2012 - Present   **Isfahan University of Technology**
B. Sc. of Software Engineering
Thesis: Design of a Real-time Vehicle Detection System using Deep learning
Advisor: Dr. Nader Karimi
GPA: 16.37/20.0 (3.4/4.0)

Relevant Academic Courses

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*	Theory of Formal Languages	*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

ACM ICPC	Ranked 8th Place in 41th ACM-ICPC Asia Tehran Regional with TiZii Team ⬀
	Ranked 18th Place in 40th ACM-ICPC Asia Tehran Regional with TiZii Team ⬀
	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 ⬀
Sharifcup	Ranked 2nd Place in Sharifcup 2015 Control Traffic League with iTiZ Team ⬀
Iranian ICPC Challenge	Ranked 1st Place in Iranian ICPC Challenge 2016 with TiZii Team ⬀
	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

Research Assistant	**Department of Transportation Engineering,** *Isfahan UT, Spring 2016-Current* *Research on NP-Hard Problems in 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*
Tutor	**Introduction to Competitive Programming,** *Isfahan UT, Spring 2015*

Projects

- Analyzing Customer Complaints on Twitter ☒
  Clustering Critical Tweets about a Brand to identify most Reliable and Important ones using Data Mining, Sentiment Analysis and CRM Techniques, Under Supervision of Dr. Mirzaei and Dr. Noorbehbahani

- Supply Chain Scheduling with Tardiness and Routing Problem ☒
  Proposing a Mathematical Model and Providing three Solutions using Branch and Bound, Beam Search and Genetic Algorithms for the Problem, Under Supervision of Dr. Tamannaei and Dr. Rasti-Barzoki

- Real-time Vehicle Detection System using Deep learning ☒
  Developing a Real-time Vehicle Detection System using Deep learning, Python, cv2, lasange, sklearn Under Supervision of Dr. Nader Karimi

- 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, ...

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

- Open Source Projects
  Bestoon: A simple Income and Expense system ☒
  Stanford ACM-ICPC: Stanford ACM-ICPC related materials ☒

Skills

- **Programming Languages:** *Java, C++, C#, Python, Javascript, HTML/CSS, Less, SQL, PHP, Go*
- **Frameworks & Libraries:** *Node.js, Express, AngularJs, Ionic, Cordova, Spring Framework, Django*
- **Development and Design Tools:** *Git, JetBrains IDEs, Visual Studio, Android Studio, Photoshop*
- **Databases:** *PostgreSQLl, SQL Server, MySQL, MongoDB, Redis, SQLite*
- **Data Mining and Analyzing Tools:** *Python, R, Weka, IPython Notebook, R Studio*
- **Operating Systems:** *Ubuntu, Manjaro Linux, Microsoft Windows*
- **Other:** *IBM CPLEX, SPSS, Minitab, UDK Game Engine, Cry Game Engine,* LaTeX

Languages and Tests

Persian:	*Native proficiency*	**Kurdish:**	*Native proficiency*
English:	*Professional working proficiency*	**Arabic:**	*Elementary proficiency*

TOEFL iBT: *103 (Reading: 29, Listening: 26, Speaking: 20, Writing: 28)*

Hobbies

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