

Research Interest

Semantic Web, Data Science, Social Network Analysis, Internet of Things, Machine Learning

Education

- Sept 2017–Present **Researcher**, *Kno.e.sis - Ohio Center of Excellence in Knowledge-enabled Computing*, Dayton, Ohio, United State
- Sept 2012–2197 **BSc in Computer Engineering**, *University of Isfahan*, Isfahan, Iran.
GPA: 14.90/20
- Description The admission requirement is to rank top 0.1% in Iran's university entrance exam.
- Courses Data Mining, Semantic Web, Image Processing, Operating System
- summer 2013 **Scientific Summer School English Language**, *Albert-Ludwigs university-freiburg im Bresgam*, Freiburg, Germany.

Publications

- Apr 2017 **Mahdavinejad, M.S, Rezvan, M., Berekatain, M., Adibi, P., Barnaghi, P., Sheth, A.:** "Machine Learning for Internet of Things Smart Data Analysis: A Survey", *Published for Digital Communications and Networks journal*.
- Description This work is the presenting of a taxonomy of machine learning algorithms explaining how different techniques are applied to the data in order to extract higher level information.
- Oct 2015 **Rezvan, M., Berekatain, Zaeri A.:** "Applying an Innovative Semantic Sensor Network Model in Internet of Things", *6th International Conference on ICT Convergence*, Korea, **IEEE**, pp. 324-328.
- Description This article presents a semantic sensor web model and the challenges involved.
- Nov 2014 **Rezvan, M., Berekatain, M.:** "The Sensors Are Innovative in Internet of Things", *8th International Wireless Internet Conference (WICON) 2014*, Portugal, **Springer LNICST series**, pp. 253-261.
- Description In this paper we introduce several types of the sensors and protocols that are used in IoT and examine RFID tags and NFC sensors.

Research Experiences

- 2016–Present **The Ohio Center of Excellence in Knowledge-enabled Computing (Kno.e.sis) at Wright State University**
- Supervisor Professor Amit Sheth and Dr. Saeedeh Shekarpour
- 2014–Present **Data and Web Semantic Research Group (DWSRG)**
- Supervisor Professor Ahmad Zaeri and Dr. Mehdi Teymourlouie
- 2014–2015 **Applied Image and Signal Processing (AISP) Research Lab**
- Supervisor Professor Amir Hassan Monadjemi

Professional Experiences

Teaching Experiences

Teaching Assistant at University of Isfahan in the following courses:

- Winter 2017 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani
- Fall 2016 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani
- Winter 2015 Algorithm Design, Prof. Behrouz Shahgholi

- Winter 2015 Data Mining, Dr. Mohammad Pourzaferani
- Winter 2015 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani
- Fall 2015 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani
- Winter 2014 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani
- Winter 2014 Discrete Structure, Prof. Shekoufe Kolahdouz Rahimi
- Fall 2014 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani
- Fall 2014 Fundamental of Computer Programming, Prof. Shekoufe Kolahdouz Rahimi
- Fall 2013 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani
- Winter 2013 Fundamental of Computer Programming, Prof. Mohammad saeid Ehsani

Journal Reviewer

- Mar 2017 Reviewer of **IEEE Internet of Things Journal**.
- Description Special Issue on Internet of Things for Smart Cities.
- Nov 2016 Reviewer of **Annals of Telecommunications Journal Springer**.
- Oct 2015 Reviewer of **IEEE Internet of Things Journal**.
- Description Regular Article.

Notable Projects

- Winter 2017 **Implementing Smart Agriculture monitoring based on Internet of Things ..**
- Spring 2016 **Implemented and developed SVM model for real time traffic prediction optimization.**
- Summer 2016 **Sentiment Analyzing In Persian .**
- Description Distinguishing the positive, negative or neutral comments, This project implemented by R.
- Spring 2015 **Developed machine vision modules for BeagleBoard-xm device..**
- Winter 2014 **Graphic Programming.**
- Spring 2015 **Implemented the CPU MIPS by Logicworks and logisim.**
- Fall 2013 **Chopper Command (1982) game.**
- Description Used Model, View, Control (MVC) Pattern and Double Buffering, Polymorphism and Composition techniques, with benefits from Event Driven and MultiThread Programming.

Honors and Awards

- Mar 2017 Co-Chair of *IDACCIOT* "Intelligent Data Analysis and Cognitive Computing for Internet of Things" special Track on International Conference on Intelligent Systems and Applications **INTELLI 2017**
- Feb 2017 Technical Program Committee of International Conference on Intelligent Systems and Applications
- Nov 2016 Member of the Board Direction of Smart Transportation system **iRo** this system like Uber
- Nov 2016 Member of Executive Committee of **The First International Conference On Internet of Things Applications and Infrastructure April 2017**
- Dec 2015 Ranked **9th in the ACM-ICPC Asia Region contest among 101 teams as a coach**, Iran.
- Jul 2015 **Invited as Research Intern** on Internet of Things Project **under Supervision Professor Payam Barnaghi** at University of Surrey, Guilford, **England**.
- Sept 2014 **Head of the Organization Committee** of the First **International Internet of Things** event in Iran.
- Dec 2014 Honorable Mention in The ACM-ICPC Asia Region contest, Iran.
- Nov 2014 Speaker on Research week, University of Isfahan, Iran.
- Jul 2012 Ranked among the **top 2 percent**, in BSc. National University Entrance Exam for undergraduate studies among more than **1,300,000 applicants**, Iran.

Skills

- Expert C++, Python, R, Python Frameworks
- Proficient Java, Java Applet, OpenGL, MIPS, MATLAB, Assembly Language, \LaTeX , Nodered
- Experienced BeagleBoard and Odroid-XU3 devices, XML, Servlet, Objective C, C, JavaFX, PhP, Elastic Search

Voluntary Experience

2013–Present **Member of European Internet of Things Council; theinternetofthings.eu.**

Apr 2016 **Head of Organization Committee of the Internet of Things day .**

Description The event was planned in one day; Online Presenter : Professor Payam Barnaghi Reader at the University of Surrey and Rob van Kranenburg, founder of European Internet of Things Council, were invited to this event.

Languages

English (fluent), Persian/Farsi (mother tongue)

References

Professor Amit Sheth: amit.sheth@wright.edu

Dr. Hossein Mahvash Mohammadi: hmahvash@yahoo.com

Dr. Mohammad Saeid Ehsani: ehsani12000@yahoo.com

Dr. Saeedeh Shekarpour: saeedeh@knoesis.org