

Kamran Mahmoudi



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Summary

I am a Masters student at Imam Khomeini International University and my research focuses on social network analysis and its applications in public health sector and organizations. I am interested in contract based projects and research offers.

Education

MSC. SOFTWARE ENG. | 2016 - 2018 | IMAM KHOMEINI INTERNATIONAL UNIVERSITY

- My research experience and topics at IKIU includes: Social network analysis and its various applications in public health sector and marketing, Synchrotron related researches and Information Retrieval. Being a student at IKIU, I also gained some knowledge of bioinformatics, advanced databases and operating systems.

BSC. SOFTWARE ENG. | 2011-2016 | KHAJE NASIR TOOSI UNIVERSITY OF TECHNOLOGY

- As a student at KNTU I have extended my programming skills and my understanding of the computer world. I have become interested in digital electronics and robotics during the practical activities in specialized laboratories such as the micro controller lab. I have gained some experience in web technologies and I studied the basics of search engine industry and developed a simple multi-threaded web crawler using VB .Net my favorite programming language.

Skills & Abilities

INFORMATION RETREIVAL AND WEBSCRAPPING

- I am skilled at data extraction from the Web and I have designed and implemented **several web crawlers** to extract and process data from social networking web sites and other different sources and I am familiar with the concepts of **search engine** design.

WEB DEVELOPMENT AND MANAGEMENT

- I am a skilled web developer with quite good experience in web technologies like **PHP, JavaScript, HTML & CSS** and I am also skilled at **WordPress** Content Management System and e-learning management system (**Moodle**).
- I have successfully designed and managed more than 20 websites in various categories.

RELATIONAL AND NO-SQL DATABASES

- I am skilled at database design and administration using **MySQL, SQL Server and Neo4j**

PROGRAMMING

- I am experienced in **Visual Basic .Net** and **C++** Programming Languages.

BIG DATA FUNDAMENTALS

- I am familiar with the concepts and applications of Big Data, Hadoop ecosystem and MapReduce Algorithm.

Experience

PROGRAMMER | BAHARSOUND CO. | 2015 - PRESENT

- I work as a part time web developer and windows applications programmer and my responsibilities include creating, maintaining and developing websites and designing of monitoring applications to collect statistic data and generate reports based on users and employee's activities.

CEO | RAYANESH ABRI BEHRAVAND TAKTAZ | 2014 - PRESENT

- My Responsibilities include managing ongoing projects and planning future goals

CIO | TALENT COMMITTEE OF SPORTS SHOOTING IN TEHRAN | 2015 – 2016

TRANSLATOR | FREELANCER | 2012 - 2013

- Translating computer and IT related articles from English to Persian.

Certifications

- **Cloud Computing & OpenStack**
(Grid Computing Group, Institute for Research in Fundamental Sciences (IPM), October 2017)
- **MSRT (MCHE)**
(MSRT (MCHE) is an English Test conducted by Ministry of Science Research and Technology of Islamic Republic of Iran, September 2017)
Score:79%, verification link: <http://msrt-exam.saorg.ir/Verify/786006802438685>

- **Big Data Architecture on Cloud Computing Infrastructure**
(IEEE, University of Science and Culture, April 2017)
 - **e-learning Linux web services workshop**
(LAITEC, Sharif University of Tech, February 2017)
 - **e-learning Linux system maintenance workshop**
(LAITEC, Sharif University of Tech, February 2017)
 - **e-learning web security workshop**
(LAITEC, Sharif University of Tech, February 2017)
 - **Linux LPIC-1**
(Iran InfoTech Development, November 2014)
 - **Certified Ethical Hacker**
(Iran InfoTech Development, November 2014)
 - **Network+**
(Iran InfoTech Development, November 2014)
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Projects

- Design and implementation of a multi-threaded web crawler
 - Database design for an OTT application and other projects (SQL SERVER, MySQL)
 - Report Generating Application for monitoring “eshia.ir” statistics
 - Design and implementation of a Boolean IR system in C++
 - Social Data integration using Neo4J Graph Database and VB.net
 - Implementation of DNA Sequencing simulator using VB.net
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Publications

- A. Khaleghi, M. Akbari, **K. Mahmoudi**, M. Hosseinzadeh, “Conceptual Design of Developing a Mobile APP for Distributed Information Services for Control Systems (DISCS)”, In proc. 16th International Conference on Accelerator and Large Experimental Physics Control Systems
- **Kamran Mahmoudi** and Dr. Ali Khaleghi, "Bug Tracking Systems: Features and Challenges", 2nd national conference on interdisciplinary research in Computer, Electrical, Mechanical & Mechatronics engineering, September 20,2017
- Atieh Rahbari Manesh and **Kamran Mahmoudi**, "Data mining applications and concepts in Social Networks Analysis: a survey", 4th international Conference on Electrical and Computer Engineering, January 10, 2017.

- **Kamran Mahmoudi** and Dr. Hojaatolah Hamidi, "Design and implementation of a distributed web crawler", International conference in new research of electrical engineering and computer science, September 10, 2015

Languages

- English (professional working proficiency)
- Persian (Native or bilingual proficiency)
- Azerbaijani (Elementary proficiency)

Contact Information

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Organizations

I am proudly a member of the following communities and organizations:

- K.N. Toosi University of Technology Alumni
- Imam Khomeini International University
- Informatics Society of Iran
- IEEE Iran Section and Computer Society (Graduate Student Member #94075491)
- Iranian Research Institute for Information Science and Technology

