

Resume of Hossein Beigi Harchgani

(Ph.D. in medical informatics and master's degree in computer engineering - software)

Name: Hossein Surname: Beigi Harchgani

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Google scholar link: <https://scholar.google.com/citations?user=rEqUdmYAAAAJ&hl=en>

Academic records:

Diploma: Mathematics and Physics, year 1995

Associate Degree: Computer Application, 1997

Bachelor's degree: computer engineering - software, February 2000

Master's degree: computer engineering - software, February 2009

Ph.D. Degree: Medical Informatics, January 2019

Educational experience:

- 1) Coaching card owner of technical and professional organization in Foxpro programming field
- 2) Trainer of computer schools in Isfahan city from 2001 to 2007
- 4) Lecturer of:
 - Shahid Beheshti Medical University
 - Isfahan Medical University
 - Azad Islamic University branches: Nain, Khomeini Shahr, Dolat Abad, Sosangard and Mahshahr
- 5) Faculty member of the computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch, since 2007 until 2022
- 6) Supervision of more than 20 theses Master's student in computer engineering as a supervisor and advisor

Management experience:

- 1) Having a technical and vocational education organization management card
- 2) Director and founder of Mahrad Computer and Accounting School from 2000 to 2006
- 3) Member of the Board of Directors of Isfahan Free Technical and Vocational Schools Trade Union from 2002 to 2004
- 4) Member of the Board of Directors of the Trade Union Center of Free Technical and Vocational Schools of the Province Isfahan from 2002 to 2005

5) Director of computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch from March 2011 to July 2013.

6) Director of Educational Services of Institute for Higher Education Institute, ACECR, Khuzestan branch from Feb 2016- March 2017

7) Membership in the Technology Council of Institute for Higher Education Institute, ACECR, Khuzestan branch from April 2018 until 2022

Preparation of educational materials

Row	The name of the educational material	place of creation	Date of creation and completion	Type
1	Master of Computer Engineering-Software	computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch	2011-4-23	Create a new university filed
2	Engineering of Information & communication Technology(ICT)	computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch	2011-5-21	Create a new university filed
3	Continuous associate of computer	computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch	2012-4-28	Create a new university filed
4	Thesis preparation guide Document	computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch	2010-10	Educational Guide Document
5	"Software engineering" audio class software	computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch	2011-11	Educational software
6	Master's proposal writing	computer department of Institute for Higher Education Institute, ACECR, Khuzestan branch	2019-3	Educational Poster

Teaching Experience

NO.	Educational semester	Name of Course	course units	Type of theory or practical course
1	2010-2015 first semester 2009-2010 second semester 2020-2022	software engineering	3	Theory-practical
2	2014-2016 first semester	Basics of Programming (Master's Degree)	1-1	Theory- practical
3	2009-2010 and 2016-2022 Second semester	Analysis and design of systems	3	Theory
4	2009-2016 first semester 2008-2009 second semester 2020 first semester	Computer basics and programming	3	Theory
5	2008-2009 second semester	Computer programming	3	Theory
6	2011 first semester 2008-2012 second semester	machine language and structure	3	Theory
7	2011-2015	Machine and System language Programming	3	Theory
8	2017-2022	Data Mining (Master's Degree)	3	Theory
9	2009-2012	System programming	3	Theory
10	2011-2012 second semester 2016-2017 first semester	Data Bases	3	Theory
11	2009-2010 second semester 2010-211 second semester	Databases and Informational systems	3	Theory-practical
12	2010-2011	Information store and retrieval	3	Theory
13	2016-2017 second semester 2017-2018 second semester	management information systems	3	Theory
14	2016-2019 second semester	Research method and presentation	2	Theory
15	2011-2012 first semester 2014-2015 second semester	technical language	2	Theory
16	2010-2016 second semester	machine and assembly language	2	Theory-practical
17	2016-2017 second semester 2017-2019 first semester	Basics of data mining	3	theory
18	2017-2022	Seminar(Masters)	2	Theory
19	2014-2015 second semester 2018-2019 second semester	Information technology in nursing	1	Theory-practical

Scientific certificate and participation in specialized workshops

Membership Certificate	title	Duration(hours)	type	Date
Member of the Technology Council	Khuzestan New Health Technologies Growth Center	2 years	Membership in the growth center	2018/5/23 2020/5/23
Specialized health entrepreneurship event	Startups Attack Blood Pressure	2 Days	Event Coach	97-7-14,15 2018-10-6,7
Providing a model for evaluation Judging	Health Technology Research Center of Isfahan University of medical Sciences	20 h	Judging the research project	97-10-23 2019-1-13
Providing a recommender system, Judging	Health Technology Research Center of Isfahan University of medical Sciences	20 h	Judging the research project	2019-4-7
Specialized workshop	writing and obtaining methods, Acceptance of English and Farsi articles for ISI, ISC journals	8 h	Research Methods	2015-10-24
	modern teaching method	3 h	teaching method	2019-7-27
	Visual Basic programming	132 hours	Specialized workshop	2003-1-15 2002-6-13
	computer Repair worker personal specialist	100 hours	Specialized workshop	2003-6-23 2003-9-11
	ICDL User	130 hours	Specialized workshop	2004-1-25 2004-7-7
	Pascal Programming	120 hours	Specialized workshop	2002-7-3
	How to present ideas to startup event	3 hours	teaching method	2019-12-4

Presenting articles in National and international congresses

No	Congress Name	Date	Country	Type-oral/poster	Topic	The names of colleagues in order(including the name of the applicant and others)
1	The first national conference on new topics in computer and information technology	2018-3-1	IRAN	Oral	prediction algorithm of chronic kidney disease based on the combination of artificial neural network and particle accumulation optimizer	Fatemeh Amiri, Hossein Beigi (corresponding author), Mohammad Reza Nouri Mehr
2	- The first national conference on new topics in computer and information technology	2018-3-1	IRAN	oral	Presentation of type 2 diabetes prediction model based on the combined method of support vector machine and algorithm Evolutionary combination of frogs mutation	Misaqh Makvandi, Hossein Beigi (corresponding author)
3	The second national conference on new topics in computer and information technology Examining the categories of challenges	2018-12-20	IRAN	oral	Examining the categories of challenges used in data mining methods in breast cancer	Mahvash Boroun, Hossein Beigi (corresponding author)
4	The second national conference on soft computing and information technology	2012-3-8	IRAN	oral	97 Smartening how to distribute data in distributed databases using genetic algorithm	Hossein Beigi Hajar Ziniwand Nematullah Kochaki
5	The 5th National Conference of Electrical and Mechatronics Engineering of Iran	2019-12-13	IRAN	oral	Presenting a method for intrusion detection using a combination of support vector machine and frog leaping algorithm	Hosna Mousavi, Seyed enayatAllah Alavi, Hossein Beigi

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6	The third national soft computing and information technology conference	2019-12-19	IRAN	Oral	An overview of case methods Use in restaurant recommender systems	Hossein Beigi Najma Safar Aliyan
7	International Conference on Multimedia and Information Technology	30-31 Dec 2008	China	oral	fuzzy solution based on Memetic algorithms for timetabling	Amin Gulabpour, Hossein Shirazi, Ahmad Farahi, Ahmad Zadali, Hossein Beigi
8	The 5th international conference of the Iranian cryptography association	2008	IRAN International	Oral	Using Genetic Algorithm for Prediction of Information for Cache Operation in Mobile Database	Hossein Beigi , Ahmed Farahi, Hossein Shirazi
9	International Workshop on Knowledge Discovery and Data Mining (WKDD 2009)	23-25 Jan 2009	Russia International	Oral	Using Genetic Algorithm for Prediction of Information for Cache Operation in Mobile Database	Hossein Beigi , Ahmad Farahi, Hossein Shirazi, Amin Gulabior, Peyman Almasinejad
10	The 5th International Conference on Information and Communication Technology Management	29-30 Feb 2009	IRAN International	Oral	Investigating the control and planning of the human brain and mind with ELF production	Kamal Kamai - Hossein Beigi
11	The fourth international conference on knowledge-based engineering and innovation in the field of computer and electrical engineering Optimization of web mining structure based on harmony search algorithm	22 Dec 2017	IRAN International	Oral	Optimization of web mining structure based on harmony search algorithm	Vahid Barfar Hossein Beigi
12	The 5th National Conference on New Technologies in Electrical, Computer and Mechanical Engineering of Iran	11 Sep 2022	Iran	oral	Using Solved Steiner Tree with Approximation Algorithms for Social Network Analysis	MohammadAli Naizari, Hossein Beigi

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13	The 5th National Conference on New Technologies in Electrical, Computer and Mechanical Engineering of Iran	11 Sep 2022	Iran	oral	Developing Prediction Heart Disease Model Based on Hybrid Technique of Artificial Neural Network and Shuffled Frog Leaping Algorithm	MohammadAli Naizari, Hossein Beigi
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Publishing articles

Row	Title	Journal	index	Date	Names of colleagues in order of priority
1	Using Genetic Algorithm for the Prediction of Information for Cache Operation in Mobile Databases	MASAUM Journal of Computing	Abstract in ISI & Scopus	Sep 2009	Hossein Beigi , Amin Gulabpour, Hossein Shirazi, Ahmad Farahi
2	A fuzzy solution based on Memetic algorithms for timetabling-	Conference on Multimedia and Information Technology	Abstract in ISI & Scopus	December 2008	Amin Gulabpour, Hossein Shirazi, Ahmad Farahi, Hossein Beigi
3	Novel Algorithm for Image Processing to Detect Cancerous Morphology	International Journal of Analytical, Pharmaceutical and Biomedical Sciences	-	March 2015	Hossein Beigi , Mehrnaz mostafavi, Mahtab Shab
4	4-Improving the Quality of Electronic Cleansing of Colorectal CT Images Using a Hybrid – Method-Research	JOURNAL OF BIOMEDICAL ENGINEERING AND MEDICAL IMAGING	-	Feb 2019	Hossein Beigi , Hamid Moghadasi, Mahtab Shabani, Hamid Beigi, Babak Salavati
5	Application of Virtual Reality in Colonoscopy	Journal of Health Informatics & Management	-	April 2018	Hamid Moghadasi, Hossein Beigi
6	Proposing an Effective Approach Based on Input-Output, Pre-condition and Requested Service Parameters, for Detecting Semantic Web Services	International Journal of Computer & Information Technologies	-	November 2013	Mohammad Rostami, Iman Attarzadeh, Hossein Beigi
7	Forecasting of Power Output of a PVPS Based on Meteorological Data Using RNN Approaches	Sustainability	ISI & Scopus	2022	Mohsen Beigi, Hossein Beigi , ...
8	Experimental and numerical analysis of thermodynamic performance of microwave dryer of onion	Journal of Food Process Engineering	ISI & Scopus	2022	Mohsen Beigi, Hossein Beigi , ...
9	Judgement Comparison between Radiologists and Computer Aided Diagnosis Systems in Polyps Diagnosis based on Colorectal CT Images	Journal of Knowledge & Health in Basic Medical Sciences	Scopus & ISC	2022	Hossein Beigi , Hamid Moghaddasi, Mahtab Shaebani

Membership and cooperation in the editorial board of prestigious scientific journals collaboration

Row	Journal Name	The name of the editor of the magazine	Membership Date	Time of cooperation	Type of cooperation
1	International Journal of Novel Computer Science and Power Solutions	Dr. Mahmoud Mashal	2016/1/20 2019/5/25	4 Article	Article Judgment
2	Neyshabur Journal of Medical Sciences	Dr. Kambiz Bahauddin Beigi	2019-8-5	2	Article Judgment
3	Journal of Health and Biomedical Informatics	Dr. Alireza Safai	2028-3-1	1	Article Judgment
4	The first national conference on new topics in computer and information technology	Dr. Alireza Safai		-	Membership in the scientific faculty of the Congress
5	The second national conference on new topics in computer and information technology	Dr. Alireza Safai	2019-1-19	-	Membership in the scientific faculty of the Congress
6	The third national conference on new topics in computer and information technology	Dr. Alireza Safai	2020-1-18	-	Membership in the scientific faculty of the Congress
7	Second National Conference on Computer, Information Technology and Applications Artificial intelligence	Dr. Seyed EnayatAllah Alavi	2019-2-20	-	Membership in the scientific faculty of the Congress
8	National Information and Communication Security Conference	Dr. Mashallah Abbasi Dezfoli	89-9-10,11 2010-12-31	-	Membership in the scientific faculty of the Congress

Second language proficiency

Name of second Language	Level of Language Proficiency	Second Language
Academic IELTS	5	ENGLISH

Receiving awards from prestigious scientific festivals and Olympiads

No	Title	Type :	Exporter Reference :
1	The first national E-Top festival focused on reducing road accidents	Ideas Chosen	1. Jundishapur University of Medical Sciences 2. Khuzestan Science and Technology Park

Books

No	The title of the book in the original language	Type of Activity	Lesson including	Print /Publish turn	publisher	Names of colleagues in order of priority
1	Analysis and Design of Algorithms	Writer	Design of Algorithms	First	Mahshahr-golappor	Amin golappor Hossein Beigi
2	Language Theory and Time line in Machines	Writer	Language theory and Time line	First	Ahvaz-beigi	Hossein Beigi, Amin Golabpor
3	Thread Programming in C#	Writer	Advanced programming	Fist	Tehran-hami Andishe	Hossein Beigi, Mohammadali Neizari
4	Design and Implementation of Programming Languages	Writer	Design and implementation of programming languages	First	Tehran-Hamie Aandishe	Hossein Beigi Amin golabpor

Employment records

Name of past and present workplace	Unit	Responsibility type	Start date	End date	Address
Institute for Higher Education Institute, ACECR, Khuzestan branch	computer department	Scientific Board Member	2020/9/23	2022/11/8	Institute for Higher Education Institute, ACECR, Khuzestan branch, Ahwaz, Iran
Isfahan Medical university, Management Faculty	Librarian Department	Scientific Board Member	2022/11/9	present	Isfahan Medical university, Isfahan, Iran