HIMA NIKAFSHAN RAD

Researcher & Network Analyzer

@ hima@nikafshan-rad.ir   📞 +98 930-518-4759   📍 Tehran, IR   🔗 www.nikafshan-rad.ir/
🔗 www.github.com/nikafshan-rad

EDUCATION

M.S. in Computer Science

Tabari University

📅 Sept 2011 – Sept 2013   📍 Babol, Iran

- Overall GPA: 1.28/5
- Thesis Topic: Modeling and Evaluation of Virtual Data Center in Cloud Computing Using Petri net(1.15/5).
- Supervised by Prof. Homayun Motameni

- Transcript Excerpt:
  - Computer System: 1.07/5
  - Theory of Computer Science: 1.30/5
  - Theory of System Design: 1.35/5
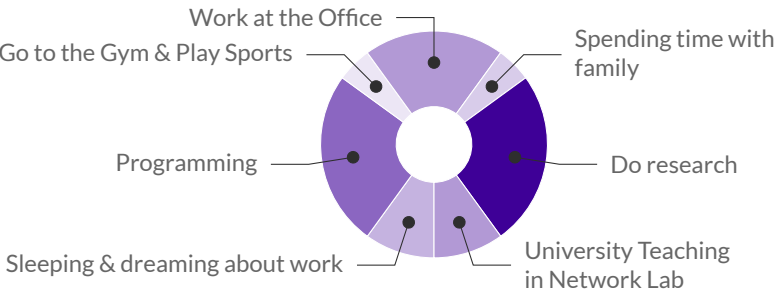 - Advanced Artificial Intelligence: 1.38/5

B.S. in Applied Mathematics

Khayyam University

📅 Sept 2006 – Sept 2010   📍 Mashhad, Iran

- Overall GPA: 1.81/5
- GPA of last two years(Credits:72): 1.73/5
- GPA of last year(Credits:32): 1.24/5

- Transcript Excerpt:

  - Algorithm Design: 1.34/5
  - Compute Architecture: 1.11/5
  - Discrete Mathematics: 1.00/5
  - Stochastic Process: 1.30/5
  - Graph theory: 1.60/5
  - Programming: 1.15/5
  - Statistic & Probability: 1.07/5

A DAY OF MY LIFE

Work at the Office
Go to the Gym & Play Sports
Spending time with family
Programming
Do research
Sleeping & dreaming about work
University Teaching in Network Lab

LIFE PHILOSOPHY

"You must be the change you wish to see in the world."

MOST PROUD OF

🏆 **Courage I had**
I will become a great scientist, The future belongs to those who believe in the beauty of their dreams

💓 **Persistence & Loyalty**
I showed despite the hard moments in Iran, my willingness to learning and publishing science

📈 **Skill's Growth**
In recent years, I have paid a lot of attention to scientific and research skill development

STRENGTHS

Hard-working   Persuasive   Team working   motivator

INTERESTS

Computer Network   Network Security   Cloud Computing   Networking   Infrastructure Security   Formal Method   Machine Learning   Time Series Analysis   Prediction Method

LANGUAGES

English
Persian
Arabic
German

HOBBIES

Spinning   Hiking   Swimming   Music   Reading   Traveling   Animal Care

EXPERIENCE

Co-Owner & CEO
Daneshyar (Knowledgebase Company)

📅 July 2016 – Ongoing 📍 Mashhad, Iran

- Designing and implementing computer network security for support and durability of under web service
- Rendering consultation for making business smart and analyzing the warehouse data of chain and hyper stores in order to profitability and increase the customer satisfaction
- Rendering consultation in the field of information technology, data analysis, monitoring, and identifying the loyal customers in order to provide them with more services
- Rendering consultation for improvement of the safety of data centers of the organization and increasing their performance as well as preventing inaccessibility of the data

Software Engineer & Researcher
Danesh Gostar Pargar

📅 Jan 2014 – Ongoing 📍 Tehran, Iran

She is researcher for Pargar Danesh Gostar Co, a company that conducts research in various fields of engineering and technology. In those roles, she is focused on software engineering, artificial intelligence and distributed system research projects. Also, she is mentoring undergraduate and graduate students to complete modeling and data mining projects with some of professional softwares and teaching courses such as Machine Learning, Data Mining, Formal Method and Statistical Modeling Methods to graduate

PROJECTS

Establishment and assessment of a comprehensive database for training schedule on the cloud
Amirkabir University of Technology

📅 2014 📍 Tehran, Iran

- A study project, supervised by Prof. Akbari.
- I looked at the possibility to use Mangodb in cloud, e.g. on a campus.

Trust services-oriented multi-objects workflow scheduling model for cloud computing using evolutionary algorithm
University of Tabriz

📅 2015 📍 Tabriz, Iran

Study of master-slave parallel approach for genetic-fuzzy data mining
University of Sistan & Baluchestan

📅 2015 📍 Zabol, Iran

The evaluation of Lean IT level in organizations with Fuzzy approach
Shahid Beheshti University

📅 2016 📍 Tehran, Iran

ACTIVITIES

Consistent membership
Iranian society of machine vision and image processing(ismvip)

📅 2013 – 2016 📍 Tehran, Iran

Active membership
Young Researchers and Elite Club

📅 2017 – Ongoing 📍 Mashhad, Iran

Referee/Reviewer
Open Civil Engineering Journal

📅 2017 – Ongoing 📍 United Arab Emirates

GIVING TALK

ICNMO 2012

📅 Amol, Iran 📍 2012

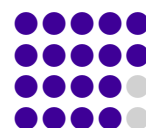Talk on modeling the security of virtual machines in the cloud based on Formal method
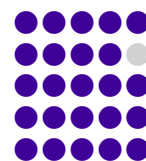
OPERATING SYSTEM

Linux(ubuntu) ●●●●●
Windows ●●●●●
Linux(Kali) ●●●●●

PROGRAMMING

Python ●●●●●
Matlab ●●●●●
C/C++ ●●●●○
Java ●●●●○

SOFTWARE

CloudSim ●●●●●
NS2/NS3 ●●●●○
CPN tools ●●●●●
Weka ●●●●●
Rapidminer ●●●●●

WEB

PHP ●●●●○
CSS ●●●○○
HTML5 ●●●●●

DATA BASE

My Sql ●●●●●
Sql Server ●●●●○
MangoDB ●●●●●
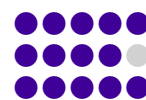
PUBLICATIONS

📄 Journal Articles

- NikafshanRad, Hima, Amir AminShokravi, et al. (2017). "The potential application of particle swarm optimization algorithm for forecasting the air-overpressure induced by mine blasting". In: *Engineering with Computers*, pp. 1–9.
- NikafshanRad, Hima, Mahdi Hasanipanah, et al. (2017). "Developing a least squares support vector machine for estimating the blast-induced flyrock". In: *Engineering with Computers*, pp. 1–9.
- NikafshanRad, Hima, Azam Shahnazar, et al. (2017). "A new developed approach for the prediction of ground vibration using a hybrid PSO-optimized ANFIS-based model". In: *Environmental Earth Sciences* 76 (15), p. 527.
- NikafshanRad, Hima, Zakaria Jalali, and Hossein Jalalifar (2015). "Prediction of rock mass rating system based on continuous functions using Chaos–ANFIS model". In: *International Journal of Rock Mechanics and Mining Sciences* 73, pp. 1–9.

👥 Conference Proceedings

- NikafshanRad, Hima and Zakaria jalali (2014). "Estimate geomechanical rock mass classification system (RMRb) based on continuous rating using ANFIS-FCM(Persian)". In: *5th Iranian Mining Engineering Conference.*
- NikafshanRad, Hima, Gholamreza Abdolah-Zade, et al. (2013). "Modeling and Evaluation of prediction security on risk management cycle, public safety and health using stochastic Petri net(Case Study: Tehran metros site)(Persian)". In: *8th National Congress On Civil Engineerin.*
- NikafshanRad, Hima and Homayun Motameni (2013). "Reduce Data Anomalies Using Manifold Learning". In: *Pattern Recognition and Image Analysis (PRIA)*. IEEE, pp. 1393–1398.
- NikafshanRad, Hima, Homayun Motameni, and Hesam Omranpur (2012). "Modeling the security of virtual machines in the cloud using Petri net(Persian)". In: *International Conference on Nonlinear Modeling and Optimization-ICNMO 2012*. Amol, Iran: ICNMO, pp. 398–407.

📙 Under Process

- NikafshanRad, Hima and Mahdi Hasanipanah (2017). *Prediction Slope Mass Rating based on continuous functions using development recurrent fuzzy neural networks*. Under Review: Springer.
- NikafshanRad, Hima and Zakaria Jalali (2017). *Knowledge discovery approach for improving rock mass rating system based on continuous rating*. Under Review: Elsevier.
- NikafshanRad, Hima and Homayun Motameni (2017). *Formal Specification and Verification of Security in Cloud Computing using Colored Petri Nets and Process Algebra*. Under Review: IEEE.

ACADEMIC EXPERIENCE

Local Computer Networking
Mashhad Azad Uni.

📅 2017 – 2018

Computer Networks Laboratory

Teacher Assistant
Mashhad Azad Uni.

📅 2017

Workshop Topic: Implementation of Cloud Computing Infrastructures: CloudSim

REFEREES

Prof. Homayun Motameni
@ Tabari University

✉ Motameni@iausari.ac.ir

Faculty Computer Science in Tabari University,
Babol, Iran

Dr. Reza Shahverdi
@ Islamic Azad University

✉ shahverdi_592003@yahoo.com

Faculty Computer Science in Islamic Azad University(Qaemshahr Branch)
Qaemshahr, Iran

Mr. Seyyed Hamed Mahdioun
@ Danesh Gostar Pargar Company

✉ h.mahdioun@daneshgostarpargar.org.ir

CEO of Danesh Gostar Pargar Company
Tehran, Iran