

NASTARAN EVAZNIA

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Education

Islamic Azad University, Mashhad Branch

Mashhad, Iran

Master of Science (M.Sc.) in Software Engineering

2011–2013

- GPA: 17.58/20 (**3.90/4**)

Islamic Azad University, Mashhad Branch

Mashhad, Iran

Bachelor of Science (B.Sc.) in Information Technology Engineering

2006 –2010

- GPA: 17.99/20 (**3.83/4**)

Research Interests

- Cloud and Fog Computing
- Machine Learning and Deep
- Reinforcement Learning
- Energy-Efficient Systems
- Metaheuristic Optimization
- AI-Driven Frameworks
- Distributed Systems
- Blockchain for Secure Data

Publications

An Energy-Aware Virtual Machine Consolidation Approach Using Classification and Dragonfly Algorithm in Cloud Data Centers

2025

- * **Authors:** Nastaran Evaznia*, Reza Ebrahimi, Davoud Bahrepour
- * **Published in:** Journal of Information Systems and Telecommunication (JIST) (Scopus-indexed | SJR-ranked)
- * **DOI:** 10.61186/jist.48021.12.48.280

A New Resource Allocation Method Based on PSO in Cloud Computing

2024

- * **Authors:** Davoud Bahrepour, Nastaran Evaznia*, Tahereh Khodabakhshi
- * **Published in:** International Journal of Web Research, April 2024
- * **DOI:** 10.22133/ijwr.2024.457539.1216

Providing a Solution for Optimal Management of Resources using the Multi-objective Crow Search Algorithm in Cloud Data Centers

2023

- * **Authors:** Nastaran Evaznia*, Reza Ebrahimi
- * **Published in:** IEEE 9th International Conference on Web Research (ICWR)
- * **DOI:** 10.1109/ICWR57742.2023.10139192

Optimal Resource Consolidation for Energy Efficiency in Cloud Data Centers

2013

- * **Authors:** Nastaran Evaznia*, Hossein Daldari, Davoud Bahrepour
- * **Published in:** National Conference on Modern Approaches in Computer Engineering & Information Retrieval (In Persian)
- * **Conference ID:** 225824

Provide a Task Scheduling Method in Cloud Computing Using the Weed Algorithm and Improved Search

2024

- * **Authors:** Reza Ebrahimi, Nastaran Evaznia, Mohammad Mosannane Mosafari
- * **Status:** Revised & Resubmitted to Chinese Journal of Communication (**Q1** Journal) - (R&R - Under Final Review)

Combining Fuzzy Logic and Deep Reinforcement Learning for Heart Patient Allocation in Fog-Cloud Environments

2025

- * **Authors:** Nastaran Evaznia, Toktam Kamali Yazdi, Mohammad Hossein Moattar*
- * **Status:** Under review at *Scientific Reports* (**Q1** Journal)

GAT-DQN: A Hybrid Graph Attention and Deep Q-Learning Framework for Efficient and Interpretable Medical Diagnosis

2025

- * **Authors:** Toktam Kamali Yazdi, Nastaran Evaznia, Mohammad Hossein Moattar*
- * **Status:** Under review at *Soft Computing* (**Q2** Journal)

An Efficient Blockchain-Based Resource Allocation and Secure Data Storage Model Using Fire Hawk Optimization and Entropy in Health Tourism

2025

* **Authors:** Seyedeh Somayeh Fateminasab, **Nastaran Evaznia**, Saedeh Memarian, MCarren Romero-Ternero, Gloria Miró-Amarante, Seyed Reza Kamel Tabbakh*

* **Status:** Submitted to *Journal of Cloud Computing* (**Q1** Journal)

Optimizing Patient Allocation in Smart Healthcare Systems with the Flower Pollination Algorithm **2024**

* **Authors:** **Nastaran Evaznia***, Reza Ebrahimi, Masood Niazi Torshi

* **Status:** Under review at *SN Computer Science* (**Q2** Journal)

Research Experience

- **Smart Healthcare Systems** **2023–Present**
Developing AI models for fog-cloud resource allocation *Supervisor: Dr. Mohammad Hossein Moattar*
- **Blockchain Healthcare Architecture** **2023–Present**
Bio-inspired algorithms for healthcare task scheduling ([Manuscript in Preparation](#)) *Supervisor: Dr. Seyed Reza Kamel*
Supervisor: Dr. Davoud Bahrepour
- **Master’s Thesis** **2012–2013**
Energy-Aware VM Placement in Cloud Data Centers *Supervisors: Dr. Hossein Deldari, Dr. Davoud Bahrepour*

Teaching Experience

- **University Lecturer**, Islamic Azad University of Mashhad (2012–Present): Python, AI, Databases, Networking, Web Development
- **University Lecturer**, Mashhad University of Applied Science (2019–Present): Network Programming, Web Servers, TCP/IP
- **University Lecturer**, Payame Noor University (2015–2020): Multimedia Systems, Computer Networks
- **Teaching Assistant**: Cloud Computing (2024)

Work Experience

- **Solidity Developer** — Freelance (2022–2024)
- **Cloud & ML Projects** — University of Mashhad (2019–2022)
- **Website Manager** — Fardab Company (2021–2022)
- **Network Administrator** — Pishkhan Office (2014–2020)

Awards and Certifications

- **Awards:**
 - * Admitted to Master’s Program without entrance exam based on GPA
- **Certifications:**
 - * Researcher Academy (Elsevier) - Writing Abstracts and Generative AI (2025)
 - * CS50’s Introduction to Programming with Python, Harvard University (2023)
 - * Blockchain and Business Workshop (2019)
 - * Microsoft Certified IT Professional (MCITP) (2012)
- **Peer Review:**
 - * International Congress on Technology, Communication, and Knowledge (2014)

Computer Skills

Languages: Python, C++, Java, PyTorch, JavaScript, SQL
Web/Blockchain: HTML5/CSS3, React, WEB3, Solidity
Cloud Tools: CloudSim, iFogSim
Systems/Networking: Windows/Linux Servers, Routing, Packet Tracer

Soft Skills

Time Management • Teaching • Leadership • Problem-solving • Flexibility • Hard-working

Languages

Persian (Native), English (Fluent)