

Alireza Abbas Alipour

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RESEARCH INTERESTS:

- Machine Learning
- Artificial Neural Networks
- Data Structure and Algorithms
- Malware and Computer Security

TECHNICAL SKILLS:

- Python, C, C++, MATLAB, Java, Erlang
- Parallel programming using MPI and Open-MP
- Working with some data mining tools
- Web programming, HTML, CSS

SOFT SKILLS:

- Communication, Teamwork, Flexibility
- Confidence, Self-management
- Solid background in Mathematics, Analysis, and Problem-solving

EDUCATION:

2014-2017: **Institute of Advanced Studies in Basic Science (IASBS)** (Zanjan, Iran)

Department of Computer Science and Information Technology

MSc Degree in Computer Science, GPA: 17.95/20 (Ranked 1st)

Advisor: Dr. Ebrahim Ansari

Thesis Title: ***“Static Malware Detection Using a Behavior-Based Approach”***

2006-2010: **Khorasan Razavi Payam Noor University** (Mashhad, Iran)

Department of Mathematics and Computer Science

BSc Degree in Computer Science, GPA: 14.55/20 (Ranked 3rd)

2004-2005: **Ayandehsazan Public Exemplary Pre-College School** (Mashhad, Iran)

2001-2004: **Ayandehsazan Public Exemplary High School** (Mashhad, Iran)

Diploma in Mathematics and Physics, GPA: 18.14/20

PUBLICATIONS:

- 2019:** Alireza Abbas Alipour, Ebrahim Ansari, “**An Advanced Profile Hidden Markov Model for Malware Detection**”. Intelligent Data Analysis, Volume 24 Issue 4, 2020.
- 2018:** Hadi Abdi Khojasteh, Alireza Abbas Alipour, Ebrahim Ansari, Parvin Razzaghi, “**An Intelligent Safety System for Human-Centered Semi-Autonomous Vehicles**”. The International Conference on Contemporary Issues in Data Science (CiDaS 2019)
- 2017:** Alireza Abbas Alipour, Azad Aminpour, Ebrahim Ansari, “**Parallel PatchMatch Using Open-MP Extension**”. The 5th International Conference on Electrical and Computer Engineering (IEEEEC 2018)

TEACHING ASSISTANT EXPERIENCES:

- Dec. 2017 – Mar. 2018, *Computer science department at Institute of Advanced Studies in Basic Science (IASBS)*
Advanced Programming I (using C++) for undergraduate students
- Sept. 2017 – Dec. 2017, *Computer science department at Institute of Advanced Studies in Basic Science (IASBS)*
Intro Programming (using Python) for undergraduate students
- Sept. 2016 – Dec. 2016, *Computer science department at Institute of Advanced Studies in Basic Science (IASBS)*
Programming and Advanced Algorithms for graduate students
- Sept. 2016 – Dec. 2016, *Computer science department at Institute of Advanced Studies in Basic Science (IASBS)*
Intro Programming (using Python) for undergraduate students
- Dec. 2015 – Mar. 2016, *Computer science department at Institute of Advanced Studies in Basic Science (IASBS)*
Parallel Programming (using MPI and Open-MP) for graduate students
- Sept. 2015 – Dec. 2015, *Computer science department at Institute of Advanced Studies in Basic Science (IASBS)*
Intro Programming (using Python) for undergraduate students
- Dec. 2014 – Mar. 2015, *Computer science department at Institute of Advanced Studies in Basic Science (IASBS)*
Advanced Programming I (using C++) for undergraduate students

RESEARCH AND WORK EXPERIENCES:

- **Jan. 2015 – Present**, *Artificial Intelligence Laboratory at Institute of Advanced Studies in Basic Science (IASBS)*
I have been working as an R&D fellow in the Artificial Intelligence Lab at IASBS

- **Oct. 2017 – Aug. 2018**, *IT & Computer center of Institute of Advanced Studies in Basic Science (IASBS)*
I had worked as a network software engineer (Contractor) at the ICT center of IASBS

LANGUAGES

Persian

Fluent, Native

English

Listening (good), Reading (good), Writing (good), Speaking (Fair)

Azerbaijani and Arabic

Beginner

HONORS AND CERTIFICATES:

- 2017:** Ranked 1st among MSc students of computer science department in theory of computation field
- 2014:** Ranked 196th out of 4,000 participants in national university entrance exam for MSc degree in Computer Science
- 2014:** Ranked 53rd out of 4,000 participants in national university entrance exam for MSc degree in Computer Science (The second tendency)

REFERENCES

Dr. Ebrahim Ansari, Assistant Professor in Computer Science and Information Technology department, Institute of Advanced Studies in Basic Science (IASBS), Zanjan, Iran
(ansari@iasbs.ac.ir)

Dr. Bahram Sadeghi Bigham, Associate Professor in Computer Science and Information Technology department, Institute of Advanced Studies in Basic Science (IASBS), Zanjan, Iran
(b_sadeghi_b@iasbs.ac.ir)

Dr. Zahra Narimani, Assistant Professor in Computer Science and Information Technology department, Institute of Advanced Studies in Basic Science (IASBS), Zanjan, Iran
(narimani@iasbs.ac.ir)