

# Hossein AbdiNasibFar

Department of Computer Engineering, Sayyed Jamaledin Asadabadi University, Asadabad, Hamadan, Iran  
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## Education

### Shahed University

Tehran, Iran

MASTER OF SCIENCE IN SECURE COMPUTING

Sep. 2017 – June 2019

- GPA: 17.96/20.0
- Thesis Title: lightweight anonymous privacy-preserving three-factor authentication scheme for WSN-based IIoT
- Advisors: Dr. Majid Bayat, Dr. Mohammadali Doostari

### Sayyed Jamaledin Asadabadi University

Hamadan, Iran

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (SOFTWARE)

Sep. 2012 – Feb 2016

- GPA: 17.05/20.0
- Thesis Title: Developing Android Applications: A review on the android operating system and its application development architectures

### National Elites School (Pajouhesh High School)

Hamadan, Iran

DIPLOMA, MATHEMATICS AND PHYSICS

Sep. 2008 – Jun 2012

- National Org. for Development of Exceptional Talents

## Research Interests

- Internet of Things
- Blockchain
- Applied Cryptography
- AI Security and Privacy
- Network Security and Privacy

## Publications

- Far, Hossein Abdi Nasib, Majid Bayat, Ashok Kumar Das, Mahdi Fotouhi, S. Morteza Pournaghi, and Mohammad-Ali Doostari. "LAPTAS: lightweight anonymous privacy-preserving three-factor authentication scheme for WSN-based IIoT." *Wireless Networks* 27, no. 2 (2021): 1389-1412.
- Fotouhi, Mahdi, Majid Bayat, Ashok Kumar Das, Hossein Abdi Nasib Far, S. Morteza Pournaghi, and Mohammad-Ali Doostari. "A lightweight and secure two-factor authentication scheme for wireless body area networks in health-care IoT." *Computer Networks* 177 (2020): 107333.

## Honors & Awards

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|------|---|---------------|
| 2011 | <b>Ranked Top 30</b> , in Khwarizmi Robotic Competition among 200 student teams across the country  | Tehran, Iran  |
|      | <b>Ranked Top 2%</b> , in the National Entrance Exam among 284000 Iranian Students in Mathematics and   |               |
| 2012 | Physics. <i>Taking this exam is the only way for getting admitted to the public universities in Iran (which are much more prestigious than private universities such as Azad university). Iran has population of 80 millions.</i> | Iran          |
| 2014 | <b>Ranked 1st</b> , in the programming contest at Sayyed Jamaledin Asadabadi University   | Hamadan, Iran |
| 2016 | <b>Ranked 1st</b> , among all of CS91 students of Sayyed Jamaledin Asadabadi University   | Hamadan, Iran |
| 2017 | <b>Ranked Top 0.7% (192<sup>th</sup>)</b> , National Entrance Exam for Graduate Schools among 25000 Iranian Students in Computer Engineering  | Iran          |
| 2017 | <b>Full Tuition Scholarships</b> , received a full-tuition scholarship for master degree from shahed university   | Tehran, Iran  |
| 2019 | <b>Ranked 2st</b> , among all of SC96 students of Shahed University   | Tehran, Iran  |
|      | <b>PhD's Position with Full Tuition Scholarships</b> , Eligible for applying to continue my education in the PhD's  |               |
| 2019 | Program at the Department of Computer Engineering without taking the "National Entrance Exam for Graduate Schools", as a reward of having total GPA over 17.  | Tehran, Iran  |
|      | <b>Researcher and Lecturer</b> , Has been selected for this position by the Iranian Ministry of Science, Research,  |               |
| 2020 | and Technology (MSRT) as a talented graduate student to complete the Iranian conscription, which is mandatory for all boys in Iran and it takes two years.  | Iran          |

## Research Projects

### Blockchain Technologies for Internet of healthcare

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Data for a review article has been prepared, in the writing state

Hamadan, Iran

2021

### Lightweight WSNs Authentication Protocols for Internet of Things (Master's thesis)

SHAHED UNIVERSITY

- Published in Wireless Networks Journal as an article, 2021

Tehran, Iran

2018-2020

### Lightweight Authentication Protocols for WBAN in health-care IoT

SHAHED UNIVERSITY

- Published in Computer Networks Journal as an article, 2020

Tehran, Iran

2018-2020

## Teaching Experience

### Lecturer

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Basic of Secure Computing

Hamadan, Iran

Fall 2021

### Lecturer

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Operation Systems
- Advanced Programming

Hamadan, Iran

Summer 2021

### Lecturer

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Operation System Lab

Hamadan, Iran

Spring 2021

### Teaching Assistant

SHAHED UNIVERSITY

- Security Protocols, Under the supervision of Dr. Mohammadali doostari

Tehran, Iran

Spring 2020

### Teaching Assistant

SHAHED UNIVERSITY

- Cryptography, Under the supervision of Dr. Mohammadali doostari

Tehran, Iran

Fall 2019

### Lecturer

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Database Lab

Hamadan, Iran

Fall 2015

### Teaching Assistant

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Microprocessor Lab

Hamadan, Iran

Spring 2014

### Teaching Assistant

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Advanced Programming

Hamadan, Iran

Fall 2013

## Work Experience

### Cyber Security Specialist, Network and Datacenter Administrator

SAYYED JAMALEDDIN ASADABADI UNIVERSITY

- Monitoring, Managing and Making responses to cyber security threats
- Managing Servers and Network Services

Hamadan, Iran

Jun 2020 – Present

### Senior Android Developer and Android Security Specialist

MSG Co.

- Improving the performance and security of android applications

Tehran, Iran

Feb 2018 - Apr 2019

### Android Developer

FREELANCER

- Designing and Developing more than five android applications for different businesses and companies

Iran

Mar 2014 - Feb 2018

## Skills

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- Languages: Persian (Native), English (Fluent)
- Programming Language: C, C++, PHP, Java, Golang, Python
- Tools: NS3, Git, LaTeX, ProVerif, Android Studio, Visual Studio Code, Goland
- Application Development: Android Development, Web Development
- Operation System: Linux, Windows