

Hossein Abdi Nasib Far

RESEARCHER · SECURITY ENTHUSIASTIC

Department of Computer Engineering, Sayyed Jamaledin Asadabadi University, Hamadan, Iran

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Education

Shahed University

MASTER OF SCIENCE IN SECURE COMPUTING

Tehran, Iran

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

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (SOFTWARE)

Hamadan, Iran

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)

DIPLOMA, MATHEMATICS AND PHYSICS

Hamadan, Iran

Sep. 2008 – Jun 2012

- National Org. for Development of Exceptional Talents

Research Interests

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

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

2020	Researcher and Lecturer , Has been selected for this position by the Iranian Ministry of Science, Research, and Technology (MSRT) as a talented graduate student to complete the Iranian conscription, which is mandatory for all men in Iran and it takes two years.	Iran
2019	PhD's Position with Full Tuition Scholarships , Eligible for applying to continue my education in the PhD's 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 out of 20.	Tehran, Iran
2019	Ranked 2st , among all of SC96 students of Shahed University	Tehran, Iran
2017	Full Tuition Scholarships , received a full-tuition scholarship for master degree from shahed university	Tehran, Iran
2017	Ranked Top 0.7% (192th) , National Entrance Exam for Graduate Schools among 25000 Iranian Students in Computer Engineering	Iran
2016	Ranked 1st , among all of CS91 students of Sayyed Jamaledin Asadabadi University	Hamadan, Iran
2014	Ranked 1st , in the programming contest at Sayyed Jamaledin Asadabadi University	Hamadan, Iran
2012	Ranked Top 2% , in the National Entrance Exam among 284000 Iranian Students in Mathematics and 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
2011	Ranked Top 30 , in Khwarizmi Robotic Competition among 200 student teams across the country	Tehran, Iran

Research Experience

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

- Computer and Network Security

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

Languages	Persian (Native), English (Fluent)
Leading	Team Leading, Project Managment
Programming	C, C++, PHP, Bash Script, Java, Golang, Python
Tools	Git, LaTeX, ProVerif, NS3, Mininet-Wifi,
IDE	Notepad++, Android Studio, Visual Studio Code, Goland
Development	Android Development, Web Development
Operation System	Linux, Windows

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.