

(+98) 922-6044272
Tehran, Iran
sadeghinasab.alireza@gmail.com

Alireza Sadeghi-Nasab

Software PhD Candidate

Website: alirezasn.ir
live:.cid.6d516334d353758e
linkedin.com/in/alireza-sn

I'm a motivated and talented Ph.D. student. I'm a hard-working student and very committed to deadlines. I'm constantly updating my knowledge by studying and learning. I also share my experiences and thoughts in this field on my personal website. I love teaching and learning. I have a very constructive relationship with the industry and I see it as a complement to my educational path progress. Research areas that I work on and am highly interested about are data privacy-preserving (anonymization), big data processing (especially stream data), and software engineering.

SKILLS

Soft Skills	Communication, Problem-Solving, Team Work, Time Management, Leadership
Programming Languages	Swift, Python, Objective-C, SQL, Java, Scala, MATLAB, VHDL
Industry Knowledge	Research, Product Delivery, Team Management, Software Development/Testing, Web Scraping
Tools	Apache Flink, Qt, Git, CPN-Tools, Visual Paradigm, Prom, UPPAAL, ANTLR
Languages	Persian (Native), English (working proficiency), Azerbaijani Turkish (limited)

EDUCATION

PhD in Computer Engineering, Software, Arak University	2020 — Present
<ul style="list-style-type: none">Supervisor: Dr. Mohsen RahmaniThesis: To be Announced!	
Master of Computer Engineering, Software, Iran University of Science & Technology	2018 — 2020
<ul style="list-style-type: none">Supervisor: Dr. Mohammad Abdollahi AzgomiThesis: A Scalable and Utility-Based Technique for Big Data Stream AnonymizationEntered via direct admission (exceptional talents program)	
Bachelor of Computer Engineering, Software, Iran University of Science & Technology	2014 — 2018
<ul style="list-style-type: none">Supervisor: Dr. Mohammad Abdollahi AzgomiThesis: Study on Process Mining Techniques and Tools and Using it in Analysis of Security Logs	
Diploma, Mathematics & Physics, Allameh Helli (2) High School	2010 — 2014
<ul style="list-style-type: none">The high school is part of NODET (National Organization for Development of Exceptional Talents)	

PUBLICATIONS

Title: A Comprehensive Review on Security Flaws of Hashing Algorithms	2022
<ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Vahid RafeJournal of Computer Virology and Hacking Techniques (Springer)	
Title: A Deep Incremental Learning Framework for Predicting Covid-19 by using Incoming Stream X-ray Images	2022
<ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Mohammad-Hossein Shakoor7th International Conference on Technology Development in Iranian Electrical Engineering	
Title: A New Fast Framework for Anonymizing IoT Stream Data	2021
<ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Hossein Ghaffarian5th International Conference on Internet of Things and Applications (IoT), Isfahan, Iran	
Title: Proposing A New Fast and Robust Framework for Anonymizing IoT Data Streams Using Apache Flink	Under Review
<ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Hossein Ghaffarian	

TECHNICAL EXPERIENCE

Project Manager <i>Gandom Software Group</i>	2019 — Present <i>Tehran, Iran</i>
<ul style="list-style-type: none">Cooperation with Agah Group, one of the best and largest brokers in Iran Stock Exchange MarketResponsible for all product delivery processesManagement of internal technical team and communication with external stakeholdersReleased multiple applications: AsaTrader, Agah Invest, Fastbourse and Agah Amouzesh	
iOS Developer <i>Gandom Software Group</i>	2017 — 2019 <i>Tehran, Iran</i>
<ul style="list-style-type: none">Cooperation with Agah Group, one of the best and largest brokers in Iran Stock Exchange MarketResponsible for the development and maintenance of iOS platform productsDeveloped multiple applications: AsaTrader, Fastbourse, Ayne Baghal and Arbaeen	

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AWARDS

- Best Paper Award** 2021
- Got best paper award for the paper entitled: A New Fast Framework for Anonymizing IoT Stream Data in 5th International Conference on Internet of Things and Its Application (IoT 2021) held at University of Isfahan.
- MSc. Direct Admission** 2018
- Got direct admission from bachelor to master program in Iran University of Science & Technology (exceptional talents program).
- Best Mentor Award** 2018
- Got best mentor award in Chillin Wars challenge which is an AI challenge held in Iran University of Science & Technology.
- BSc. Admission** 2014
- Ranked 526th among more than 220,000 participants in National Entrance Exam of Universities (Konkour).
- National Olympiad Exam Admission** 2012
- Got acceptance in the first stage of national Olympiad exam in chemistry, physics and literary fields.
- High School Education** 2010-2014
- Got acceptance and study in Allameh Helli 2 high school which is part of NODET (National Organization for Development of Exceptional Talents)

ACTIVITIES

- Chillin Wars (AI challenge) - Sponsorsip Collaboration Winter 2020
- Chillin Wars (AI challenge) - Head Mentor Fall 2019
- Yarigaran Sharif Club (Charity for child labourers) - Mathematics & Geometry Teacher 2018 — 2019
- Chillin Wars (AI challenge) - Mentor Fall 2018