

(+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

As a prolific researcher with expertise in Big Data Processing, Privacy-Preserving and Software Engineering, I am seeking to join a dynamic research team that is at the forefront of cutting-edge research. My experience in industry and academia positions me to bring a unique perspective on innovative solutions that address critical and complex issues these fields. With an insatiable desire to ask, answer, and solve complex research problems, I am confident that I can make a valuable contribution to any research team.

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: An Anonymization Strategy Selection by Enabling the Trade-offs between Privacy and Data Utility based on RFDS with Markov Chain	
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: Apache Flink and clustering-based framework for fast anonymization of IoT stream data	2023
<ul style="list-style-type: none">Alireza Sadeghi-Nasab, Hossein Ghaffarian, and Mohsen RahmaniJournal of Intelligent Systems with Applications, Elsevier	
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, Iranwon best paper award	

TECHNICAL EXPERIENCE

Product Owner, Full Time	Mar 2020 — Present (3 years, 5 month)
<i>Gandom Software Group [Link] Tehran, Iran</i>	
<ul style="list-style-type: none">Collaborated with Asa Co. [Link] and Agah broker [Link], one of the best (2nd place in the Federation of Euro-Asian Stock Exchanges (FEAS) Award 2021) and largest brokers (with nearly 7 million customers) in Iran stock exchange marketActed as the liaison cross-functionally with product, engineering, design, marketing, test (QA), security, and support teams to identify and deliver new product solutions, reducing the time-to-market for new product releases by 15%Performed quality assurance testing on product features, analyze feedback and user data, and create user stories to validate action plans and product enhancements, resulting in a 20% increase in user satisfactionDrove the development of product roadmaps in alignment with Agile methodologies, achieving 95% on-time delivery rate for product releasesReleased multiple applications: AsaTrader [Link], Agah Invest [Link], Fastbourse [Link], Agah Amouzesh [Link], and Banksa with a total of nearly 1.2M monthly active users	

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Scrum Master, Full Time

Feb 2019 — Mar 2020 (1 years, 2 month)

Gandom Software Group [\[Link\]](#)

Tehran, Iran

- Collaborated with Asa Co. [\[Link\]](#) and Agah broker [\[Link\]](#), one of the best and largest brokers in Iran stock exchange market
- Managed cross-functional stakeholder teams like product, engineering, design, and test (QA) teams to identify, communicate, and resolve inter-team risks and impediments, increasing team productivity by 30%
- Managed core Agile ceremonies in team environments: sprint planning, daily stand-up, sprint review, and sprint retrospectives
- Released multiple applications: AsaTrader [\[Link\]](#), and Fastbourse [\[Link\]](#) with a total of nearly 1.1M monthly active users

iOS Developer, Full Time

Jul 2016 — Feb 2019 (2 years, 8 months)

Gandom Software Group [\[Link\]](#)

Tehran, Iran

- Collaborated with Asa Co. [\[Link\]](#) and Agah broker [\[Link\]](#), one of the best and largest brokers in Iran stock exchange market
- Performed technical designs and implementation of 4+ iOS applications, achieving a 95% bug-free release rate
- Developed and executed product roadmaps using Agile methodology, reducing the number of post-release defects by 20%
- Released multiple applications: AsaTrader [\[Link\]](#), Fastbourse [\[Link\]](#), Ayne Baghal, and Arbaeen [\[Link\]](#) with a total of nearly 1M monthly active users

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)

VOLUNTEERING ACTIVITIES

Practical Training of Working with Git Course (in Quera) [\[Link\]](#) - Content Producer

Spring 2021

Chillin Wars (AI challenge) [\[Link\]](#) - Sponsorship Collaboration

Winter 2020

Chillin Wars (AI challenge) [\[Link\]](#) - Head Mentor

Fall 2019

Yarigaran Sharif Club (Charity for child labourers) [\[Link\]](#) - Mathematics & Geometry Teacher

2018 — 2019

Chillin Wars (AI challenge) [\[Link\]](#) - Mentor

Fall 2018