

(+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 <ul style="list-style-type: none">Supervisor: Dr. Mohsen RahmaniThesis: To be Announced!	2020 — Present
Master of Computer Engineering, Software, Iran University of Science & Technology <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)	2018 — 2020
Bachelor of Computer Engineering, Software, Iran University of Science & Technology <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	2014 — 2018
Diploma, Mathematics & Physics, Allameh Helli (2) High School <ul style="list-style-type: none">The high school is part of NODET (National Organization for Development of Exceptional Talents)	2010 — 2014

PUBLICATIONS

Title: A Comprehensive Review on Security Flaws of Hashing Algorithms <ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Vahid RafeJournal of Computer Virology and Hacking Techniques, Springer	2022
Title: A Deep Incremental Learning Framework for Predicting Covid-19 by using Incoming Stream X-ray Images <ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Mohammad-Hossein Shakoor7th International Conference on Technology Development in Iranian Electrical Engineering	2022
Title: A New Fast Framework for Anonymizing IoT Stream Data <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	2021
Title: Fast Anonymizing IoT data stream Framework Using Apache Flink <ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Hossein GhaffarianJournal of Intelligent Systems with Applications, Elsevier	Under Review

TECHNICAL EXPERIENCE

Product Owner, Full Time <i>Gandom Software Group</i> [Link]	Mar 2020 — Present (3 years, 1 month) <i>Tehran, Iran</i>
<ul style="list-style-type: none">Collaborated with Asa Co. [Link] and Agah broker [Link], one of the best and largest brokers 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 solutionsOwned the planning and scheduling of three-week sprints and clearly articulated the product vision to engineering resultingPerformed quality assurance testing on product features, analyze feedback and user data, and create user stories to validate action plans and product enhancementsDrove the development of product roadmaps in alignment with Agile methodologiesReleased 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, 1 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
- Planned and coordinated 100% of aspects of a given technical project from initiation through delivery
- Managed cross-functional stakeholder teams like product, engineering, design, and test (QA) teams to identify, communicate, and resolve inter-team risks and impediments
- 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, 7 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+ complex iOS applications
- Developed and executed detailed product roadmaps using Agile methodology
- 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