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Alireza Sadeghi-Nasab

Software PhD Candidate

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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 <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

Project Manager, Full Time <i>Gandom Software Group</i> [Link]	Feb 2019 — Present <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 marketResponsible for all product delivery processes and participating in product discovery processesCollaborated cross-functionally with product, engineering, design, test(QA) security, and support teams to identify and deliver new product solutionsDeveloped and executed detailed product roadmaps using Agile methodologyReleased 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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iOS Developer, Full Time

Jul 2016 — Feb 2019

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
- Responsible for the development and maintenance of iOS platform applications
- Developed and executed detailed product roadmaps using Agile methodology
- Developed 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

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