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Alireza Sadeghi-Nasab

PhD in Software

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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	Python, Swift, 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 Rahmani [Link]Thesis: Proposing an Anonymization Strategy Based on Relaxed Functional Dependencies	2020 — 2024
Master of Computer Engineering, Software, Iran University of Science & Technology <ul style="list-style-type: none">Supervisor: Dr. Mohammad Abdollahi Azgomi [Link]Thesis: 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 Azgomi [Link]Thesis: 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: Optimizing data privacy: an RFD-based approach to anonymization strategy selection [Link] <ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Mohsen RahmaniJournal of Supercomputing, Springer	2024
Title: Apache Flink and clustering-based framework for fast anonymization of IoT stream data [Link] <ul style="list-style-type: none">Alireza Sadeghi-Nasab, Hossein Ghaffarian, and Mohsen RahmaniJournal of Intelligent Systems with Applications, Elsevier	2023
Title: A Comprehensive Review on Security Flaws of Hashing Algorithms [Link] <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 [Link] <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 [Link] <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

TECHNICAL EXPERIENCE

Product Manager, Full Time Gandom Software Group [Link] <ul style="list-style-type: none">-	Feb 2024 — Present (1 year) Tehran, Iran
Mid Product Owner, Full Time MyDigipay Digikala Group [Link] <ul style="list-style-type: none">Managed product initiatives for the Credit Line (Loan & BNPL) team, directly impacting 65% of the company's revenue streamSpearheaded the Q4 roadmap process, leveraging a blended impact-effort and weighted scoring methodology to balance business needs with technical constraintsCollaborated closely with Digikala, the biggest e-commerce platform in MENA, on the "Cheque Installment Sale" mega project, defining user stories, ensuring seamless alignment and successful execution	Oct 2023 — Feb 2024 (5 months) Tehran, Iran

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Product Owner, Full Time

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

Mar 2020 — Oct 2023 (3 years, 8 months)

Tehran, Iran

- Collaborated with [Asa Co.](#) and [Agah brokerage](#), 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 market
- Acted 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 satisfaction
- Drove the development of product roadmaps in alignment with Agile methodologies, achieving 95% on-time delivery rate for product releases
- Released multiple applications: [AsaTrader](#), [Agah Invest](#), [Fastbourse](#), [Agah Amouzesh](#), and [Banksa](#) with a total of nearly 1.2M monthly active users

iOS Developer, Full Time

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

Jul 2016 — Mar 2020 (3 years, 9 months)

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 97% crash-free release rate
- Developed and executed product roadmaps using Agile methodology, reducing the number of post-release defects by 20%
- Released multiple applications: [AsaTrader](#), [Fastbourse](#), [Ayne Baghal](#), and [Arbaeen](#) 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