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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 — 2020 — Present
- Supervisor: Dr. Mohsen Rahmani
- Thesis: To be Announced!

Master of Computer Engineering, Software, Iran University of Science & Technology — 2018 — 2020
- Supervisor: Dr. Mohammad Abdollahi Azgomi
- Thesis: A Scalable and Utility-Based Technique for Big Data Stream Anonymization
- Entered via direct admission (exceptional talents program)

Bachelor of Computer Engineering, Software, Iran University of Science & Technology — 2014 — 2018
- Supervisor: Dr. Mohammad Abdollahi Azgomi
- Thesis: 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
- 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
- Alireza Sadeghi-Nasab, and Vahid Rafe
- Journal 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
- Alireza Sadeghi-Nasab, and Mohammad-Hossein Shakoor
- 7th International Conference on Technology Development in Iranian Electrical Engineering

Title: A New Fast Framework for Anonymizing IoT Stream Data — 2021
- Alireza Sadeghi-Nasab, and Hossein Ghaffarian
- 5th 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
- Alireza Sadeghi-Nasab, and Hossein Ghaffarian
- Journal of Intelligent Systems with Applications, Elsevier

TECHNICAL EXPERIENCE

Project Manager, Full Time — Feb 2019 — Present
Gandom Software Group [Link] — *Tehran, Iran*
- Collaborate with Asa Co. [Link] and Agah broker [Link], one of the best and largest brokers in Iran stock exchange market
- Responsible for all product delivery processes and participating in product discovery processes
- Collaborate cross-functionally with product, engineering, design, test(QA) security, and support teams to identify and deliver new product solutions
- Develop and execute detailed product roadmaps using Agile methodology
- Released 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*
- Collaborate 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
- Develop and execute 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] - Sponsership 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