

(+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

I'm a motivated and talented PhD 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 in my 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

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| Soft Skills | Communication, Problem Solving, Leadership, Team Work, Time Management |
| Programming Languages | Swift, Python, Objective-C, SQL, Java, Scala, MATLAB, VHDL |
| Industry Knowledge | Research, Team Management, Software Development, Software 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

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| 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

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| 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, Iran | 2021 |
| Title: Proposing A New Fast and Robust Framework for Anonymizing IoT Data Streams Using Apache Flink <ul style="list-style-type: none">Alireza Sadeghi-Nasab, and Hossein Ghaffarian | Under Review |

TECHNICAL EXPERIENCE

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| Project Manager <i>Gandom Software Group</i> <ul style="list-style-type: none">Cooperation with Agah Group, one of the best and largest brokers in Iran Stock Exchange MarketResponsible for all product delivery processesManagement of internal technical team and communication with external stakeholdersReleased multiple applications: AsaTrader, Agah Invest, Fastbourse and Agah Amouzesh | 2019 — Present <i>Tehran, Iran</i> |
| iOS Developer <i>Gandom Software Group</i> <ul style="list-style-type: none">Cooperation with Agah Group, one of the best and largest brokers in Iran Stock Exchange MarketResponsible for the development and maintenance of iOS platform productsDeveloped multiple applications: AsaTrader, Fastbourse, Ayne Baghal and Arbadeen | 2017 — 2019 <i>Tehran, Iran</i> |

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AWARDS

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|---|------------------|
| 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) | |

ACTIVITIES

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| Chillin Wars (AI challenge) - Sponserhip Collaboration | Winter 2020 |
| Chillin Wars (AI challenge) - Head Mentor | Fall 2019 |
| Yarigaran Sharif Club (Charity for child labourers) - Mathematics & Geometry Teacher | 2018 — 2019 |
| Chillin Wars (AI challenge) - Mentor | Fall 2018 |