

(+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 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

<b>Soft Skills</b>	Communication, Problem-Solving, Team Work, Time Management, Leadership
<b>Programming Languages</b>	Swift, Python, Objective-C, SQL, Java, Scala, MATLAB, VHDL
<b>Industry Knowledge</b>	Research, Team Management, Software Development, Software Testing, Web Scraping
<b>Tools</b>	Apache Flink, Qt, Git, CPN-Tools, Visual Paradigm, Prom, UPPAAL, ANTLR
<b>Languages</b>	Persian (Native), English (working proficiency), Azerbaijani Turkish (limited)

## EDUCATION

<b>PhD in Computer Engineering, Software, Arak University</b> <ul style="list-style-type: none"><li>Supervisor: Dr. Mohsen Rahmani</li><li>Thesis: To be Announced!</li></ul>	<b>2020 — Present</b>
<b>Master of Computer Engineering, Software, Iran University of Science &amp; Technology</b> <ul style="list-style-type: none"><li>Supervisor: Dr. Mohammad Abdollahi Azgomi</li><li>Thesis: A Scalable and Utility-Based Technique for Big Data Stream Anonymization</li><li>Entered via direct admission (exceptional talents program)</li></ul>	<b>2018 — 2020</b>
<b>Bachelor of Computer Engineering, Software, Iran University of Science &amp; Technology</b> <ul style="list-style-type: none"><li>Supervisor: Dr. Mohammad Abdollahi Azgomi</li><li>Thesis: Study on Process Mining Techniques and Tools and Using it in Analysis of Security Logs</li></ul>	<b>2014 — 2018</b>
<b>Diploma, Mathematics &amp; Physics, Allameh Helli (2) High School</b> <ul style="list-style-type: none"><li>The high school is part of NODET (National Organization for Development of Exceptional Talents)</li></ul>	<b>2010 — 2014</b>

## PUBLICATIONS

<b>Title: A Comprehensive Review on Security Flaws of Hashing Algorithms</b> <ul style="list-style-type: none"><li>Alireza Sadeghi-Nasab, and Vahid Rafe</li><li>Journal of Computer Virology and Hacking Techniques (Springer)</li></ul>	<b>2022</b>
<b>Title: A Deep Incremental Learning Framework for Predicting Covid-19 by using Incoming Stream X-ray Images</b> <ul style="list-style-type: none"><li>Alireza Sadeghi-Nasab, and Mohammad-Hossein Shakoor</li><li>7th International Conference on Technology Development in Iranian Electrical Engineering</li></ul>	<b>2022</b>
<b>Title: A New Fast Framework for Anonymizing IoT Stream Data</b> <ul style="list-style-type: none"><li>Alireza Sadeghi-Nasab, and Hossein Ghaffarian</li><li>5th International Conference on Internet of Things and Applications (IoT), Isfahan, Iran</li></ul>	<b>2021</b>
<b>Title: Proposing A New Fast and Robust Framework for Anonymizing IoT Data Streams Using Apache Flink</b> <ul style="list-style-type: none"><li>Alireza Sadeghi-Nasab, and Hossein Ghaffarian</li></ul>	<b>Under Review</b>

## TECHNICAL EXPERIENCE

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

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## AWARDS

- |   |                  |
|---|------------------|
| <b>Best Paper Award</b>   | <b>2021</b>      |
| • 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. |                  |
| <b>MSc. Direct Admission</b>  | <b>2018</b>      |
| • Got direct admission from bachelor to master program in Iran University of Science & Technology (exceptional talents program).  |                  |
| <b>Best Mentor Award</b>  | <b>2018</b>      |
| • Got best mentor award in Chillin Wars challenge which is an AI challenge held in Iran University of Science & Technology.   |                  |
| <b>BSc. Admission</b>   | <b>2014</b>      |
| • Ranked 526th among more than 220,000 participants in National Entrance Exam of Universities (Konkour).  |                  |
| <b>National Olympiad Exam Admission</b>   | <b>2012</b>      |
| • Got acceptance in the first stage of national Olympiad exam in chemistry, physics and literary fields.  |                  |
| <b>High School Education</b>  | <b>2010-2014</b> |
| • Got acceptance and study in Allameh Helli 2 high school which is part of NODET (National Organization for Development of Exceptional Talents)   |                  |

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## ACTIVITIES

- |  |             |
|--|-------------|
| 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   |