

Seyed Sajad Kahani

 [sesajad.me](https://github.com/sesajad)

Education

2016–now **Bachelor of Computer Engineering**, *Department of Computer Engineering, Sharif University of Technology*, Tehran, Iran.

current score: 18.44 out of 20

Selected courseworks:

- Quantum Information
- Randomized Algorithms
- Quantum Computing
- Designing Algorithms
- Computational Physics
- Numerical Methods

2015-2016 **Physics Course**, *Young Scholars Club*, Tehran.

international physics olympiad team qualifying program

Related courseworks:

- Optics
- Abstract Algebra
- Electromagnetism
- Fluid Dynamics

Summer Schools


Summer 2018 **Elementary Data Science**, *School of Computer Science, Institute for Research in Fundamental Sciences*, Tehran, Iran.

Volunteer Experiences


Summer 2018 **Technical Development Division of Iranian National Observatory**, *Institute for Research in Fundamental Sciences*, Tehran, Iran.

- Technical Manager of Lens Array Project
 - Connect to different kinds of imaging devices and grab and reduce image.
 - Create a database of spatial data and images.
 - Make a fully automated software to control and monitor lens array instrument.
 - Contribute in development dimm monitoring.

2019 **ACM ICPC Regional**, *Sharif University of Technology*, Tehran, Iran.

- Technical Staff
 - Upgrade contest OS image 

Open Source Projects

complete list is available on 


2020 **From X to Y in Z Days with Spotify** , *A tool that helps changing mood using Spotify.*

2019 **A Demonstration of Solovay Kitaev Theorem** 

Under supervision: Prof. Karimipour

2018 **L^AT_EX Build Plugin for Atom** 

Contributions

Wiki.js 

small contribution

Tensorflow Scala 

small contribution

Work Experiences

2019-now **Phanous Research and Innovation Centre**, *Hezardastan Holding Company*, Tehran, Iran.

o Co-Founder

- Establish the quantum lab
- Design a new process coordination method for R&D environments, called gatekeeping
- Establish an R&D center

2019 **Balad**, *Hezardastan Holding Company*, Tehran, Iran.

Balad is a map service which provides navigation and POI in a mobile app

o Data Scientist

- Time of arrival estimation
- City traffic data dimension reduction

2018 **Divar**, *Hezardastan Holding Company*, Tehran, Iran.

Divar is an Iranian leading classified advertisement platform, installed on about 20M devices with 200K daily ads.

o Data Scientist Intern

- Extract informative tags (words) from image (image tagging)
- Category prediction with image and text (for ads)

2015–2018 **Cafe Bazaar**, *Hezardastan Holding Company*, Tehran, Iran.

Cafe Bazaar is an Iranian leading App marketplace installed on more than 40M

o Android Developer

- Redesign the authentication system to use OTP.

o System Owner (Android)

- Design and implement a custom CI/CD system with encrypted key storage.
- Make a platform to run apps immediately called "Inline Apps".

o Product Manager of Inline Apps Platform

Skills

Concepts

Designing Algorithms and Data Structures

Familiar

Numerical Methods (ODE, Equations, ...)

Expert

Machine Learning Methods

Familiar

Software Architecture

Familiar

Software Development Methodologies

Familiar

Programming Languages

Python

Expert

Django, Flask, Celery

Familiar

	PySpark, Tensorflow, PyTorch	<i>Familiar</i>
Nodejs		<i>Familiar</i>
	Express, Electron	<i>Familiar</i>
C/C++		<i>Familiar</i>
Scala		<i>Familiar</i>
	Spark, Tensorflow Scala	<i>Familiar</i>
Julia		<i>Familiar</i>
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	Tools	
GNU/Linux	Systemd, GRUB, Networking	<i>Expert</i>
Versioning	Git	<i>Expert</i>
CI/CD	Gitlab CI	<i>Familiar</i>
Embedded Devices	Raspberry Pi	<i>Familiar</i>
Containerization		<i>Familiar</i>
	Docker	<i>Expert</i>
	Kubernetes	<i>Beginner</i>
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	Honors	
2015	(5th) Golden Medal, 28th National Physics Olympiad of Iran.	
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	Languages	
Persian	Native	
English	Conversant	
Arabic	Beginner	