

# Siavash Ganji

ADDRESS No 403, ASE Lab,  
Department of Computer  
Engineering, Sharif University  
of Technology, Tehran, Iran

PHONE +98 912 \*\*\* \*\*74

EMAIL Contact@Siyanew.ir

LINKS [Linkedin](#), [Github](#), [Website](#)

## EDUCATION

Oct 2018 – Present



**Sharif University of Science and Technology**, *Tehran, Iran*  
*Master of Science in Computer Software Engineering*

Expected graduation date: October 2020  
GPA: 18.66 out of 20 (4 out of 4)

Advisor: [Dr. Abbas Heydarnoori](#)

Thesis Title: Automated generation of commit messages in code repositories

Selected Courses: Semantic Web 20/20  
Software Testing 19.2/20  
Software Requirement 19/20  
Formal Specification of programs 18.8/20  
Software Evolution 18/20

Jun 2013 – Jun 2018



**Shahid Beheshti University**, *Tehran, Iran*  
*Bachelor of Science in Computer Science*

- Overall GPA: 15.88 out of 20 (3.06 out of 4)
- Last 2 years GPA: 3.4 / 4

Selected Courses: Database Design and Analysis 20/20 - Design Compilers 20/20  
Datamining 19/20 - Linear Algebra 19/20 - Cryptography 18/20  
Artificial Intelligence 18.5/20

Project: AI/NLP Bot Template for Gomanesh Contest  
Thesis Advisor: [Dr. Ali Katanforoush](#)

# AWARDS & HONORS

- Ranked **1<sup>st</sup>** in the "Gomanesh" AI/NLP competition held by Shahid Beheshti University.
- Ranked **2<sup>nd</sup>** in the fourth Codecup competition (Python) held by [Quera.ir](http://Quera.ir).
- Ranked **3<sup>rd</sup>** in the fourth Botcup competition held by [srrc.sharif.edu](http://srrc.sharif.edu).
- Ranked **4<sup>th</sup>** in the fourth Codecup competition (Django) held by [Quera.ir](http://Quera.ir).
- Ranked **7<sup>th</sup>** among more than 19,000 students in M.Sc. National Universities Entrance Exam.

# Teaching Experience

- Teaching Assistant, **Data Science For Software Engineering** (Graduate Course)  
*Instructor: Dr. Abbas Heydarnoori, Sharif University of Science and Technology*
- Teaching Assistant, **Database Design and Analysis** (Undergraduate Course)  
*Instructor: Dr. Abbas Heydarnoori, Sharif University of Science and Technology*
- Teaching Assistant, **Advanced Programming** (Undergraduate Course)  
*Instructor: Dr. Adel Hosseini, Shahid Beheshti University*
- Teaching **Python Programming Language**  
*Online class at [Cafetadris.com](http://Cafetadris.com)*

# SKILLS

Programming

**Python, Java, Android, JavaScript**

Databases

**PostgreSQL, MySQL, Redis, MongoDB, Oracle, HBase**

Frontend

**Angular, HTML, CSS, JQuery**

Framework & Libraries

**Django, Celery, Pandas, NumPy, TensorFlow, Scrapy, Keras, Hadoop**

Other

**Linux, Docker, Git, GitHub, Gitlab CI/CD**

# WORK EXPERIENCES



**Full Stack Developer** at [Fakour](#) Company,  
*August 2016 – August 2017*

Optimizing and converting old [Clarity](#) system into RESTful webservice.  
MCI (Hamrah Aval) Use this as OSS.

**Technologies:** JavaEE, Oracle DB, Spring, GWT, RabbitMQ, Hadoop, HBase  
Angular, Kafka



**Founder, Backend and Android Developer** at [Jomlex](#),  
*November 2016 – Present*

Jomlex is an Iranian social networking service.

**Technologies:** Python, Django, Celery, Redis, Ubuntu, NginX, PostgreSQL, Android, Java  
Retrofit, Picasso



**Backend Developer** at [Sina Specialized & Subspecialty Hospital](#),  
*February 2020 – Present*

Developing Backend and Designing Database Schema of Hospital Information System.

**Technologies:** Python, Django, Celery, Redis, Graphene, NginX, PostgreSQL,  
Docker, GraphQL



**Bot Developer** at [Escaperoom.ir](#),  
*March 2020 – Present*

Design and Implementing Telegram bot games.

**Technologies:** Python, Redis, PostgreSQL, Android, Java

# CERTIFICATIONS

- Linux Profesional Institute Certification, Tehran Institute of technology.
- Network+, RahinCo.
- Teaching Python, Ministry of Science, Research and Technology

# LANGUAGE SKILLS

- Farsi Native
- English Intermediate

# NOTABLE PROJECTS

## PMG - Programming Language

Designing and implementing of a Programming language that provided in the second section of Computability, Complexity, and Languages Fundamentals of "Theoretical Computer Science" book by *Martin D. Davis, Ron Sigal and Elaine J. Weyuker.*

## HFMS - Hadoop File Manager

This is a light-weight HDFS (Hadoop File Manager System) Written in Python and Django. It has some essential features like drag and drop, upload, cut, copy and paste.

## An Optimization Framework For Fog-Integrated Industrial IoT

It is an optimization framework to design a fog-integrated industrial IoT system which can be used as a foundation for deployment of a Smart Factory. This gets a lot of information about system specifications such as number of end-nodes, number of fog nodes, the processing capacity of fog nodes, number and size of each industrial IoT application as inputs and produces several design decisions such as placement of the applications among end-nodes, fog nodes, local servers, and the cloud. To read more about the concept behind this framework please refer to [this paper](#).

## Siarobot - A Smart Multi-Functional Telegram Bot

It is a smart plugin-based framework for developing bots in telegram. it written in python with async feature to handle a huge number of requests. it can do some jobs like: Recognize Music like Shazam Downloading Subtitle, Solve Sudoku, Chat with users and so on.

## @WOW504BOT - @DLNEWBOT - @SUBFIXBOT

Bunch of Useful Telegram bots.

## Spamgram - A Platform to Detect Spam in Instagram Comments.

It is a web-based platform connects automatically to Instagram despite of all restricted API, it provides a user-friendly dashboard to detect and delete comments.