



# SOROUSH SHEMSHADI

SENIOR FULL-STACK DEVELOPER  
JUNIOR MACHINE LEARNING ENGINEER

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## EDUCATION

Present  
2017

### B.Sc in Software Engineering

At [University of Guilan](#)

♥ [Rasht](#)

Every year, an exam is held in Iran for free studying in top universities. In 2016 I could become the 992nd one out of more than 250000 participants and get scholarship from the university of Guilan. Now, after passing 60 out of 98 credits of specialized courses, I have been able to get the grade point average of 3.26.

2015 - 2016

### Pre-University Diploma in Mathematics

At Shahed high school

♥ [Someh Sara](#)

In the Iranian educational system, before entering the university, it is necessary to pass a one-year pre-university course, which I have passed with a grade point average of 3.46.

2012 - 2015

### Diploma in Mathematics and Physics Discipline

At Shahed high school

♥ [Someh Sara](#)

Four years of high school education in mathematics and physics based on the Iranian educational system. Graduated with a grade point average of 3.72.



## TEACHING ASSISTANT EXPERIENCE

2019 Jan- Jun

### Advanced Programming

At [University of Guilan](#)

♥ [Rasht](#)

Instructor: [Dr. S. A. Mirrosohandel](#)

My responsibilities were as follow:

- Teaching GUI design, object-oriented and socket programming in Java.
- Designing assignments.
- Assessment of student assignments.

2018 - 2019

### Fundamental Programming

At [University of Guilan](#)

♥ [Rasht](#)

Instructor: [Dr. S. M. Shekarian](#)

My responsibilities were as follow:

- Teaching fundamentals of C++ programming language like basic concepts, conditional and loops, data types, array, pointers, functions, classes and objects.
- Designing assignments.
- Assessment of student assignments.



## WHO AM I?

I am a final year student of software engineering at the University of Guilan. I have three years of experience in programming and software development. I am fascinated by AI and ML, and I am interested in research in the field of Computer Vision and Reinforcement Learning.



## PERSONAL QUALITY

Confidence	● ● ● ● ●
Dedication	● ● ● ● ●
Accountable	● ● ● ● ●
Analytical	● ● ● ● ●
Attentiveness	● ● ● ● ●



## LANGUAGE

Persian(native)	● ● ● ● ●
English(well)	● ● ● ● ●
German(basic)	● ● ● ● ●



## REFERENCES

### [Dr. Mahdi Aminian](#)

Assistant professor at [University of Guilan](#)  
[mhd.aminian@gmail.com](mailto:mhd.aminian@gmail.com)

### [Dr. Seyed Abolghasem Mirrosohandel](#)

Associate professor at [University of Guilan](#)  
[mirrosohandel@gmail.com](mailto:mirrosohandel@gmail.com)

### [Dr. Seyed Mohammadhossein Shekarian](#)

Assistant professor at [University of Guilan](#)  
[shekarian@guilan.ac.ir](mailto:shekarian@guilan.ac.ir)



## WORK EXPERIENCE

Present  
2018

### Full-stack developer

Freelance

▼ [Rasht](#)

I have three years of self-employed experience from Guilan Telecommunication Company to online stores and hotel's reservation systems. My main specialty is back-end development using the Spring and Node.js framework, and also front-end development with the React.js framework. I also have the ability to work with Rest-full API, Web Sockets and SQL and NOSQL databases. I am an experienced Sys Admin and can work with different servers and operating systems such as Linux, Unix and Windows Server.



## HONORS AND AWARDS

2019 – 2020

### Member of Student Scientific Association of Computer Engineering Department

At [University of Guilan](#)

▼ [Rasht](#)

The Student Scientific Association is a group of elected students who are responsible for managing the various departments of student affairs in each department of the faculty. I was in charge of public relations for the Computer Department Association for a year. It was my and association responsibility organize events, celebrations, competitions and courses related to computer engineering.

2018

### Member of the ACM competition programming team

At [University of Guilan](#)

▼ [Rasht](#)

2018

### Third place in the E-Learning system design competition at Startup Weekend

At [University of Tehran Science & Technology Park](#)

▼ [Tehran](#)

2017

### Full scholarship, Software Engineering B.Sc

At [University of Guilan](#)

▼ [Rasht](#)



## VOLUNTEERING

Present  
2021

### UN volunteer

Development programmes, technical assistance and volunteer management.

Present  
2019

### School of AI

Mentoring and holding meetings of artificial intelligence enthusiasts.

Present  
2019

### Coursera

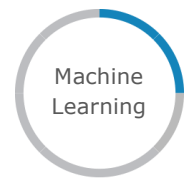
Mentor of DeepLearning course.



## SKILLS



Full-Stack  
Dev



Machine  
Learning

Team Work



Git



Java



Spring Boot



Spring Security



Rest-Full API



Web Socket



Node.js



React.js



SQL/NOSQL



Python



PyTorch



TensorFlow



NumPy



OpenCV



Linear Algebra



Java Swing



VHDL



Arduino



C++



Linux



Windows



MS Office



## RESEARCH INTERESTS

- Reinforcement Learning
- Computer Vision
- Neuroscience
- Speed up neural networks computation
- FPGA based micro computers