



# Arash Heidari

*Machine Learning and Electronics Engineer*

## About Me

*I am a self-motivated and competent machine learning and electronics engineer. I have strong technical skills as well as excellent interpersonal skills, which enables me to interact easily with my colleagues and clients. I am eager to be challenged to grow and further improve my skills. My greatest passion in life is using my technical know-how to benefit other people and organizations.*

## Personal Information



Tehran, Iran



7/April/1994



Single



[heidariarash.github.io](https://heidariarash.github.io)



(+98) 912 0620574



[arashheidari94@outlook.com](mailto:arashheidari94@outlook.com)



[arashheidari](#)



[arashheidari94](#)

## Education

**Iran University of  
Science and  
Technology**

Tehran, Iran

**Master's Degree  
Digital Electronics Systems**

Sep 2016 – July 2018

GPA: 18.27 out of 20

Thesis: Emotion Recognition with Convolutional Neural Networks.

**Iran University of  
Science and  
Technology**

Tehran, Iran

**Bachelor's Degree  
Electronics**

Sep 2012 – Sep 2016

GPA: 16.19 out of 20

Thesis: Controlling a Monitoring System with the help of Internet.

*Please refer to my website for more  
information:  
[heidariarash.github.io](https://heidariarash.github.io)*

## Skills

### Machine Learning

Computer Vision  
Reinforcement Learning  
Natural Language Processing  
PyTorch / TensorFlow  
SKlearn / Spark MLlib  
OpenCV  
spaCy

### Electronics

ARM / FreeRTOS  
AVR / PIC / Arduino  
Altium Designer  
Raspberry Pi  
Internet of Things  
FPGA

### Programming

Python / R / MATLAB / JavaScript  
C / C++ / Cuda C  
SQL / MongoDB  
Assembly  
Flask  
GUI Development

### Other Technical Skills

Git / Docker  
Agile Software Development  
Linux  
Amazon Web Services

### Languages

Persian (Native)  
English (Pro)  
German (Pro)

## Work Experience

### **Iran University of Science and Technology**

Tehran, Iran

#### **Researcher**

Jan 2019 – Present

My main responsibility was to support Master's and PhD students to overcome the problems they encounter in their way to graduation with my knowledge and ideas. Teaching machine learning, deep learning, and python programming was my other responsibility.

### **KookMobile Website**

Tehran, Iran

#### **Translator**

May 2019 – July 2019

I translated more than 50 articles about smartphones and other new digital types of equipment such as smartwatches from English to Persian for the Kook Mobile website.

### **Iran University of Science and Technology**

Tehran, Iran

#### **Teaching Assistant**

Sep 2015 – Feb 2016

My main responsibility was to help students in the computer architecture course to pass the final test. In the end, I developed a simple computer (presented in Morris Mano book) with Verilog HDL. I must admit that the teaching assistant is not a job, but it was definitely an excellent experience.

## Hobbies

I have many hobbies such as watching movies and series, reading books, etc., but learning new skills and gain knowledge about things I love to know about is the most valuable hobby I have. I love to read books about physics, genetics, and history. Playing sports such as Football (or as Americans say soccer) is another hobby I enjoy.