



# Arash Heidari

*Machine Learning Engineer*

## About Me

*I am a self-motivated and competent machine learning 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



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arashheidari



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## 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*

## *AI Fields*

Machine Learning / Deep Learning  
Computer Vision  
Reinforcement Learning  
GANs  
Natural Language Processing  
CNN / RNN / LSTM

## *Programming*

Python  
C / C++ / Embedded C  
JavaScript  
R / MATLAB  
SQL / MongoDB

## *Libraries and Frameworks*

Numpy/ Pandas/ Matplotlib / Seaborn / Plotly  
TensorFlow / Keras / PyTorch  
Scikit-Learn / Spark MLlib  
OpenCV  
NLTK / spaCy

## *GUI Design*

PyQt / TKinter  
Electron  
React Native

## *Tools and Environments*

Git / Docker  
GPGPU (CUDA)  
Linux  
Amazon Web Services  
Tableau  
Big Data (Spark)  
Agile (Scrum / Kanban / Jira)

## *Languages*

Persian (native)  
English (pro)  
German(pro)

# *Work Experience*

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

Tehran, Iran

### **AI Researcher**

Jan 2019 – Present

My main responsibility as an AI-Researcher was to carry out AI-based projects (mostly Computer Vision tasks) with the collaboration of PhD and Masters Student. 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.