

# Mohammad Mahdi Heydari | Curriculum Vitae

Amirkabir University of Technology – Tehran, Iran

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## RESEARCH INTERESTS

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- Machine Learning
- Image Processing
- Deep Learning
- Neuroscience

## EDUCATION

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### Amirkabir University of Technology (Tehran Polytechnic)

*Bachelor of Science, GPA – 3.86/4, AVG – 18.37/20 via 145 credits*

Department of Electrical and Computer Engineering

- Major: Artificial Intelligence
- Minor: Software Engineering, Electronics

**Tehran, Iran**

*2015–2020*

### Alborz High School

*Diploma of Mathematics and Physics, GPA – 4/4, AVG – 19.32/20*

**Tehran, Iran**

*2011–2015*

## SELECTED COURSES

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- Data Mining: 20/20
- Linear Algebra: 20/20
- Formal Languages and Automata: 20/20
- Algorithm Design: 20/20
- Advanced Programming: 20/20
- Numerical Analysis: 20/20

## EXPERIENCE

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### VOCATIONAL.....

#### ARSH Co.

*Summer Intern, Iran*

**Tehran**

*Summer 2018*

This Internship program focused on several topics including:

- Data Mining
- Web Development
- Agile Software Development
- Social Media Analysis
- UX

### ACADEMIC.....

#### Amirkabir University of Technology (Tehran Polytechnic)

*Data Mining Teaching Assistant*

*Fall 2019*

Under the Supervision of Dr.Nazerfard

**Amirkabir University of Technology (Tehran Polytechnic)***Data Structures Teaching Assistant**Fall 2019*

Under the Supervision of Dr.Bagheri

**Amirkabir University of Technology (Tehran Polytechnic)***Advanced Programming Teaching Assistant**Spring 2019*

Under the Supervision of Dr.Jahanshahi

**Amirkabir University of Technology (Tehran Polytechnic)***Logic Circuits Lab Teaching Assistant**Spring 2018*

Under the Supervision of Mr.Keshavarzian

**PRESENTATION.....****Spring 2019:** COMPUTER VISION WITH CNN, Related to Data Mining Course.**Spring 2019:** OPTIMAL BINARY DECISION TREES, Related to Advanced Algorithm Design Course.**Spring 2019:** BACK-END PROGRAMMING WITH DJANGO, Related to Advanced Programming Course.**LANGUAGES**

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**Farsi:** Mothertongue**English:** Fluent   ○ *Toefl Last Score: 98 (R:24, L:28, S:23, W:23). New score will be reported after Sep 21, 2019.*○ *GRE score will be reported after Nov 11, 2019.***French:** Basic*Basic Words And Phrases Only***COMPUTER SKILLS**

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**Programming/Scripting.....****Python:**

- tensorflow
- pytorch(in progress)
- scikit-learn
- open-cv
- nltk
- pandas, matplotlib, seaborn, bokeh
- django
- beautiful soup, scrapy, selenium

**Java, C++, C#:**

- object oriented programming
- gui design with qt, swing etc.
- socket programming
- multi threading

**Web Programming:**

- html5/css3
- javascript(in progress)
- bootstrap/uikit

**Database:**

- mysql
- mongodb
- tsq

**Micro Controller:**

- arduino
- avr (assembly and c)
- arm (cube and keil)

#### Miscellaneous:

- linux
- latex
- jupyter notebook
- matlab/octave
- git
- vhdl

## OTHER COURSES

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|---|--|
| ○ Introduction to Tensorflow                    | ○ Machine Learning                       |
| ○ Deep Learning Specialization                  | ○ Introduction to Data Science           |
| ○ Web Programming with Python and JavaScript    | ○ Full Stack Web Development with Django |
| ○ Data Structures and Algorithms Specialization | ○ Neural Networks for Machine Learning   |

## AWARDS AND CERTIFICATES

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- Ranked ? in Computer Engineering, among more than ?? students, Amirkabir University of technology.
- Ranked 352<sub>nd</sub> in university entrance exam, among more than 180,000 participants. [summer 2015]
- Being among privileged entrance students and permitted to study both computer engineering and electrical engineering by Exceptional Talents Office.
- Finishing MCSD Program in Tehran institute of technology Successfully.
- Finishing ILI english program for adults with above 80/100 average score per course.
- Finishing Data Scientist Program with more than 20 courses in Data Camp.

## HOBBIES

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| ○ Swimming | ○ Guitar |
| ○ Books    | ○ Movies |
| ○ Soccer   | ○ Coffee |

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**❗ References, further information, and proofs are available upon request**