

# Mohammad Mahdi Heydari | Curriculum Vitae

Amirkabir University of Technology – Tehran, Iran

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## EDUCATION

### Amirkabir University of Technology (Tehran Polytechnic)

Tehran, Iran

*Bachelor of Science, GPA – 3.86, via 145 credits.*

2015–2020

Department of Electrical and Computer Engineering

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

Selected Courses.....

- Data Mining: A<sup>+</sup>
- Formal Languages and Automata: A<sup>+</sup>
- Advanced Programming: A<sup>+</sup>
- Linear Algebra: A<sup>+</sup>
- Algorithm Design: A<sup>+</sup>
- Numerical Analysis: A<sup>+</sup>

### Alborz High School

Tehran, Iran

*Diploma of Mathematics and Physics, GPA – 4.*

2011–2015

## AWARDS AND CERTIFICATES

- Honored to be among top 10 students in Computer Engineering, with almost 100 students, Amirkabir University of Technology.
- Ranked 352<sup>nd</sup> 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.
- Completed MCSD Program in Tehran institute of technology Successfully.
- Completed ILI English program for adults with above 80/100 average score per course.
- Completed Data Scientist program with more than 20 courses in Data Camp.

## EXPERIENCE

Professional.....

### ARSH Co.

Tehran

*Summer Intern, Iran*

Summer 2018

Internship program in this company included several phases. At first, we were provided with learning materials related to basic web development with HTML, CSS, Javascript, and Django. Afterward, we developed a web application for personal task scheduling. Then each intern chose a project to take part. The project that I decided to attend was related to using data mining and text processing approaches to monitor the activities of some influencers on Instagram. The result of this work led to a fully automated service to suggest advertisers among important accounts on Instagram considering the category desired by the customers. I also voluntarily took part in UX design workshops and were introduced to agile software development slightly.

Academic.....	
<b>Amirkabir University of Technology (Tehran Polytechnic)</b>	
<i>Data Mining Teaching Assistant</i>	<i>Fall 2019</i>
Under the Supervision of Dr.Nazerfard	
<b>Amirkabir University of Technology (Tehran Polytechnic)</b>	
<i>Data Structures Teaching Assistant</i>	<i>Fall 2019</i>
Under the Supervision of Dr.Bagheri	
<b>Amirkabir University of Technology (Tehran Polytechnic)</b>	
<i>Advanced Programming Teaching Assistant</i>	<i>Spring 2019</i>
Under the Supervision of Dr.Jahanshahi	
<b>Amirkabir University of Technology (Tehran Polytechnic)</b>	
<i>Logic Circuits Lab Teaching Assistant</i>	<i>Spring 2018</i>
Under the Supervision of Mr.Keshavarzian	

## PUBLICATION

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Presentations.....	
<b>Spring 2019:</b> COMPUTER VISION WITH CNN, Related to Data Mining Course.	
<b>Spring 2019:</b> OPTIMAL BINARY DECISION TREES, Related to Advanced Algorithm Design Course.	
<b>Spring 2019:</b> BACK-END PROGRAMMING WITH DJANGO, Related to Advanced Programming Course.	

## RESEARCH INTERESTS

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|--------------------|-----------------|
| ○ Machine Learning | ○ Deep Learning |
| ○ Image Processing | ○ Neuroscience  |

## 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
○ tsql	
○ Micro Controller:	
○ arduino	○ avr (assembly and c)
○ arm (cube and keil)	

○ Miscellaneous:

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

Languages.....

**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*

Online Courses.....

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|--|--|
| ○ Creative Applications of Deep Learning with 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   |
| ○ Introduction to Tensorflow                             |  |

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

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