

# Pouya Aghahoseini

COMPUTER SCIENCE STUDENT · AMIRKABIR UNIVERSITY OF TECHNOLOGY

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## Summary

Currently studying Computer Science at Amirkabir University of Technology. Adept to code in C/C++, Python, and MySQL and also familiar with numPy and Pandas Libraries. During my recent years in Amirkabir, I have had the opportunity to gain lots of teamwork experiences, through course projects and more significantly, through extracurricular activities in student scientific chapter.

## Skills

<b>Programming</b>	C/C++, Python, R, MATLAB
<b>Web Technologies</b>	HTML, CSS, Javascript, MySQL
<b>Libraries</b>	numPy, Pandas
<b>Operating Systems</b>	Linux, Windows
<b>Miscellaneous</b>	TeX, Jupyter, Git, Microsoft Office, GAMS(Optimization), Database Design

## Education

### Amirkabir University of Technology

BACHELOR OF SCIENCE

- **Major in Computer Science, CGPA : 17.28/20**

Tehran, Iran

2016 - Present

### Allameh Helli High School

DIPLOMA IN MATHEMATICS AND PHYSICS

- **Grade : 18.5/20**

Tehran, Iran

2012 - 2016

## Experience

### Math & Computer Science Faculty, Amirkabir University of Technology

TEACHING ASSISTANT

- Design and Analysis of Algorithms
- Data Structures and Algorithms
- Fundamentals of Programming: C Language
- Compilers
- Introduction to the Theory of Computation

Tehran, Iran

Sep 2018 - Present

### Student Scientific Chapter, Amirkabir University of Technology

HEAD OF INFORMATICS AND COMPETITIONS

- Organized Data Science Seminars And Workshops.
- Coordinated 5 ACM Contests.
- Arranged On-Site Visits To Leading Tech Companies In Tehran.
- Arranged Talks With Alumni Currently Studying Or Working Abroad.
- Held 2018 New Student Orientation Program.
- Organized And Instructed Exam Preparation Classes(Calculus, Programming, Differential Equations).

Tehran, Iran

Mar. 2018 - Mar. 2019

### 11th Winter School on Computational Geometry, Amirkabir University of Technology

ORGANIZING COMMITTEE MEMBER

- The Winter School on Computational Geometry is held every year by Math and Computer Science Faculty, in collaboration with IPM Institute for Research in Fundamental Sciences.
- Notable researchers in computational geometry are invited for seminars and workshops in this program.

Tehran, Iran

March 2019

## Projects

### Medify: An Application for Fixing Tags And Organizing Media Files

SOFTWARE DESIGN COURSE | 4 MEMBER TEAM | 📄 GITHUB

- The application was Developed using **Scrum Methodology** for Agile Software Development.
- We did 5 presentations throughout including a **5-minute startup pitch presentation** and the presentation of the first MVP

Amirkabir University of Technology

Jan. 2018 - Jul. 2018

## Designing and Creating A Database From YAGO Datasets

DATABASE COURSE PROJECT |  GITHUB

- Data Extraction using TSV files acquired from max plank institute website.
- Processing and Clustering TSV files with Python and MySQL.
- Designing and Creating A 3NF Database.

## Factory Simulation with MATLAB

SIMULATION PROJECT |  GITHUB

- System modeling and simulation with MATLAB
- Simulation of a factory with different performances and various response time of each agent.

*Amirkabir University of Technology*

*Jan. 2018 - Jul. 2018*

*Amirkabir University of Technology*

*Sep. 2018 - Jan. 2019*