

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

Programming	C/C++, Python, R, MATLAB
Web Technologies	HTML, CSS, Javascript, MySQL
Libraries	numPy, Pandas
Operating Systems	Linux, Windows
Languages	Persian, English(Proficient)
Miscellaneous	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