Pouya **Aghahoseini**

COMPUTER SCIENCE STUDENT · AMIRKABIR UNIVERSITY OF TECHNOLOGY

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Summary

Currently studying Computer Science at Amirkabir University of Technology. 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. I am generally interested in Business Intelligence, Software Development, and Data Science.

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	LaTeX, Jupyter, Git, Microsoft Office, GAMS(Optimization), Database Design

Education

Amirkabir University of Technology *Tehran, Iran*
BACHELOR OF SCIENCE *2016 - Present*
- *Major in Computer Science*, **CGPA : 17.28/20**

Allameh Helli High School *Tehran, Iran*
DIPLOMA IN MATHEMATICS AND PHYSICS *2012 - 2016*
- **Grade : 18.5/20**

Experience

Math & Computer Science Faculty, Amirkabir University of Technology *Tehran, Iran*
TEACHING ASSISTANT *Sep 2018 - Present*
- **Design and Analysis of Algorithms** - Instructor: Dr.MohammadReza Kazemi
- **Data Structures and Algorithms** - Instructor: Dr.Mohammad Akbari
- **Fundamentals of Programming: C Language** - Instructor: Dr.Farzaneh Salari
- **Compilers** - Instructor: Dr.Mohammad Hassan Shirali-Shahreza
- **Introduction to the Theory of Computation** - Instructor: Dr.Fatemeh Zare-Mirakabad

Student Scientific Chapter, Amirkabir University of Technology *Tehran, Iran*
HEAD OF INFORMATICS AND COMPETITIONS *Mar. 2018 - Mar. 2019*
- 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).

11th Winter School on Computational Geometry, Amirkabir University of Technology *Tehran, Iran*
ORGANIZING COMMITTEE MEMBER *March 2019*
- 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.

Projects

Medify: An Application for Fixing Tags And Organizing Media Files *Amirkabir University of Technology*
SOFTWARE DESIGN COURSE | 4 MEMBER TEAM | 🔲 GITHUB *Jan. 2018 - Jul. 2018*
- 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**

Designing and Creating A Database From YAGO Datasets   *Amirkabir University of Technology*

Database Course Project| Github   *Jan. 2018 - Jul. 2018*

- 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   *Amirkabir University of Technology*

Simulation Project| Github   *Sep. 2018 - Jan. 2019*

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