

Education

- 2011–2017 **Allameh Helli (NODET: National Organization for Development of Exceptional Talents), Mathematics and Physics**, Diploma, CGPA 18.74/20.
- 2017–2022 **Amirkabir University of Technology (Tehran Polytechnic), Computer Engineering (CE)**, Bachelor of Science, Last two years CGPA 3.51/4.

Educational Experience

- Sep 2021–
Ongoing **Head of Teaching Assistants Team**, DATABASE COURSE, Professor Saeedeh Momtazi.
 - Lead Teaching Assistant team to design homework and projects
 - Lecture about projects and their solutions
 - Assign deadlines based on the academic calendar
- Oct 2021–
Ongoing **BSc Final Project**, *Under the supervision of Professor Seyyed Ahmad Javadi*.
Securely store enterprises' data using a developed pipeline to ship them and store them in distributed data lakes.
Prepare data for ML algorithms to find the fittest algorithm.
- Dec 2020–Jul
2021 **Teaching Assistant**, WEB PROGRAMMING COURSE, Dr Parham Alvani.
 - Contribute to developing a road map and design homework and projects
 - Design grading system for homework and grade students accordingly
- Dec 2020–Jul
2021 **Teaching Assistant**, DATABASE COURSE, Professor Saeedeh Momtazi

Work Experience

- Feb 2019–Jun
2019 **Webnevisan**, *Software development company*,
Software engineer.
 - Communicate, extract, and document user requirements (basic form of SDLC)
 - Develop Websites
- Jun 2019–
Ongoing **Snapp!**, *Largest ride-hailing provider in the middle east*,
Software Engineer, Technical Leader.
 - Develop, Deploy and Maintain Services which are used at country scale (over 30M users)
 - Design and modify technical road map and set OKR (Team Level)
 - Break a monolithic application into micro service architecture
 - Interview and evaluate candidates for our team
 - Understanding product concepts and proposing technically feasible actions
 - Understanding of agile and agile at scale concepts and improve SDLC
 - Migrate several applications from VM to cloud-based infrastructures with zero downtime
 - Lecture about new technologies that we used and our feedback on them

Achievements

- Aug 2017 Ranked 107th (99th percentile) in Konkur(National university entrance exam)
- 2015, 2016 Selected in National mathematics Olympiad first round(90th percentile)
- 2019 Judge and Technical Committee Member in Fira International Robotics Competition
- 2019 Ranked 4th(out of 50+ participants) In Amirkabir algorithm contest
- 2019 GPA 20/20 in Data Structures and Algorithms course
- 2020 PASS(no grade) Algorithm Design course
- 2019 GPA 19.33/20 in Principles of Database Design course
- 2021 GPA 19.1/20 in Database Design Lab

- 2019 GPA 17.5/20 in Operating Systems course
- 2019 GPA 20/20 in Operating Systems Lab
- 2020 GPA 17.2/20 in Software Engineering II course
- 2020 GPA 19.5/20 in Web Programming course
- 2020 GPA 20/20 in Computer Networks Lab
- 2020 PASS(no grade) Computer Networks

Recent Relevant Educational Projects

- 2019 **Data Structures and Algorithms:** Develop a dictionary using B+ tree to store and retrieve 50000+ words
- 2020 **Computer Networks:** Develop a distributed concurrent peer to peer file sharing platform (Torrent)
- 2020 **Operating Systems:** Implement multithreading in Kernel level in **XV6 OS** and add several new systemcalls
- 2020 **Database Design:** Design and implement a huge E-commerce relational database
- 2020 **Database Lab:** Design and implement a huge E-commerce relational database
- 2020 **Principles and Applications of Artificial Intelligence** Design and implement a high-performance NLP prediction model using Golang
- 2021 **Signals and Systems:** Design and implement a signal similarity meter software (Shazam)
- 2020 **Self Motivated:** Develop software to automatically take courses (sometimes it gets too competitive, and there is not enough capacity.) Used API requests to take classes alongside a captcha solver model
- 2020 **Self Motivated:** Develop a scraper to collect our university students' data from a vulnerable API (reported to IT department to fix the issue)
- 2021 **Principles of Computational Intelligence:** Use the genetic algorithm to solve np-complete problems (like the minimum value of egg holdee function)
- 2020 **Web Programming:** Develop a website for choosing a doctor online, reserve an appointments, and leave feedback
- 2022 **Internet of Things:** Create a web server using nodeMCU that is accessible on the internet to show gather data by sensors and interface to use actors
- 2021 **Information Retrieval:** Develop software to tokenize more than 50000 web pages and create an inverted index to query words and find the most relevant results
- 2022 **Mobile Programming:** Design and develop an android app to anonymously chat with clients near you that you find on the map
- 2022 **Information security:** Understanding about common vulnerabilities and exploit them in a prepared sandbox

Expertise

- Programing Languages Golang(A), Python/PHP/Java(B), C/Rust(C)
- Databases SQL/No-SQL(Redis, Mongo, Elastic, Neo4j)(A)
- Operation Docker(A), Helm, K8s(B)
- Tools Linux, Git, Bash

Language Proficiency

- Persian Native
- English Fluent- TOEFL103 (R25, L28, S22, W28)
- French Elementary

Hobbies

Basketball	Regional selected players team captain in high school, CE department basketball team member
Chess	1800 Elo
Dota2	4000+ MMR
Piano	

References

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Associate Professor.

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- Snapp Corporation (Cab)
- Snapp Group - Rocket Internet

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Senior Product Manager.

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- Snapp Group - Rocket Internet

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Assistant Professor.

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- Department of Computer Engineering

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