

AMIRHESAM ADIBINIA

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EDUCATION

Amirkabir University of Technology, Tehran

2020 - 2025

B.E. in Computer Engineering

Overall GPA: 17.73/20

Atomic Energy High School, Tehran

2020

Diploma in Mathematics and Physics Discipline

Overall GPA: 19.66/20

EXPERIENCE

Amirkabir University of Technology

Mar 2024 - Present

Research Assistant

Tehran, Iran

- In a group of 6 people, we are currently working on *Federated Learning* with a focused on *Mobility*, *Splitting* and *Semi-Decentralized Federated Learning*.
- As a research assistant under supervision of Dr. Momtazpour, my responsibility is to read related publications and implement a *mobility-aware FL* to evaluate our ideas.
- Federated Learning, Semi-Decentralized Federated Learning, Mobility-Aware FL, Splitting in FLs

Divar

Jul 2022 - Present

Software Engineer

Tehran, Iran

- With more than 20 million monthly active users, Divar is Iran's leading classified advertisement service.
- In my role on the engineering productivity team at Divar, I concentrate on improving our engineering workflows. I automate repetitive tasks, improve the CI/CD pipeline for quicker deployments, and ensure our systems are scalable and reliable. I uphold code quality by implementing best practices. My work is vital in making sure the engineering team works efficiently and effectively.
- Also, as a infrastructure engineer, I was responsible to maintain a self-hosted Kubernetes cluster and deliver reliable infrastructure.
- Implemented DORA metrics to measure developers productivity and enhance them by applying best practices.
- Golang, Python, Kubernetes, Docker, CI/CD, Linux

Yektanet

Nov 2021 - May 2022

Software Engineer

Tehran, Remote

- Yektanet, Iran's largest digital advertising platform, serves 2B+ daily ads to 40M+ users. Utilizes AI, machine learning, and big data to create cutting-edge high-quality software solutions in scale.
- JavaScript, HTML, Cascading Style Sheets (CSS)

CodeStar

Jul 2021 - Sep 2021

Software Engineering Intern

Tehran, Iran

- As a Software Engineering intern in a 5 member team, we were assigned creating a *Talend*-like data analysis platform, with each member focusing on a specific role: front-end design for easy use, robust back-end development, efficient data integration processes, diligent quality assurance, and a project manager streamlining operations. We were collectively aiming to produce a user-friendly and reliable product that competes with Talend's standards.
- C, SQL Server, Version Control

National Organization for Development of Exceptional Talents
Olympiad in informatics Teacher

Oct 2020 - Sep 2021
Tehran, Iran

RESEARCH INTERESTS

Algorithms
Software Engineering
Software Testing
Cloud Computing

TEACHING ASSISTANCE

Basic Programming
Advanced Programming
Microprocessors and Assembly Language

SKILLS

Go, Python, C, C++, Java, Javascript	programming language
Kubernetes, Docker, CI/CD	
English, Persian	language
Graph Algorithms	
Software Design	

AWARDS

INOI Silver Medal	Aug 2019
<i>Iran National Olympiad in Informatics</i>	<i>Tehran, Iran</i>
7-th place in ICPC Tehran Regional Contest	Dec 2020
<i>Attained 7-th place at the ICPC Tehran Regional Contest</i>	<i>Tehran, Iran</i>

VOLUNTARILY EXPERIENCES

AAISS Backend Developer / DevOps Engineer	Dec 2023
<i>Tehran, Iran</i>	

As a backend developer and DevOps engineer for the AAISS (Amirkabir Artificial Intelligence Student Summit) event, alongside implementing backend project, I created CI/CD pipelines for quick updates and resolutions. My efforts were pivotal in maintaining system, contributing significantly to the event's overall success.

- Django, CI/CD
- <https://github.com/AAISS/AAISS-2023>

SOME IMPORTANT COURSES

Basic Programming	20/20
Advanced Programming	19.76 /20
Data Structure and Algorithms	20/20
Discrete Mathematics	20/20
Algorithm Design	20/20
Operating System	18.31/20
Engineering Statistics	19.3/20
Applied Linear Algebra	19.02/20
Web Programming	20/20
Software Engineering	ongoing
Cloud Computing	ongoing
Data Mining	ongoing
Multicore Programming	ongoing