

AmirHossein Ahmadi

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“Be the change that you want to see in the world.”

Education

Iran University of Science and Technology (IUST)

B.S. IN COMPUTER ENGINEERING

• GPA [up to now via 133 credits]: 3.20 (16.08 / 20)

Tehran, Iran

Sep. 2018 - Expected Jan. 2023

Salam High School

DIPLOMA IN MATHEMATICS AND PHYSICS DISCIPLINE

Tehran, Iran

2014 - 2018

Honors & Awards

IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

2020	15th place , The ICPC competitions on the Tehran site	Tehran, Iran
2020	Qualified , The ICPC competitions on the Tehran site as the first team of the university	Tehran, Iran
2019	2nd Place , Chillin Wars 2019 (AI competition of IUST)	Tehran, Iran
2019	11th place , The ICPC competitions on the Tehran site	Tehran, Iran
2019	Qualified , The ICPC competitions on the Tehran site as the first team of the university	Tehran, Iran

SALAM HIGH SCHOOL

2018	top 3% , The National Entrance Exam for Graduate Schools among near 200,000 participants	Tehran, Iran
2017	3rd Place , The Iranian National Olympiad in Informatics (INOI)	Tehran, Iran
2017	Qualified , The 3rd stage of the National Olympiad in Informatics	Tehran, Iran
2017	Qualified , The 2nd stage of the National Olympiad in Informatics	Tehran, Iran
2017	Qualified , The first stage of the National Olympiad in Informatics	Tehran, Iran
2017	Qualified , The first stage of the National Mathematical Olympiad	Tehran, Iran
2016	Qualified , The first stage of the National Olympiad in Informatics	Tehran, Iran
2016	Qualified , The first stage of the National Mathematical Olympiad	Tehran, Iran

Fields of Interests

Data Structures and Algorithms
Machine Learning/Deep Learning
Natural language processing
Game Development
Image Processing/Computer Vision

Teaching Experience

Software Engineering Mentor

DR. BEHROUZ MINAEI-BIDGOLI

Tehran, Iran

Feb. 2022 - Jun. 2022

Algorithm Design Teaching Assistant

DR. MARZIEH MALEKIMAJD

Tehran, Iran

Feb. 2021 - Jun. 2021

Analysis and design of systems Mentor

DR. MEHRDAD ASHTIANI

Tehran, Iran

Feb. 2021 - Jun. 2021

Discrete Math Teaching Assistant

DR. REZA ENTEZARI-MALEKI

Tehran, Iran

Feb. 2020 - Jun. 2020

Programming Basics Teaching Assistant

DR. REZA ENTEZARI-MALEKI

Tehran, Iran

Sep. 2019 - Jan. 2020

Industrial Experience

Data Scientist

PINKET

Iran, Tehran

Jul. 2021 - Nov. 2021

- I returned to Pinket as a data scientist and worked there for 5 month. This time my goal was obtaining new experience about data science and applications of artificial intelligence.
- The technology stacks which I used were Python, Pandas, Numpy, Boosting Models, etc.
- My task was developing and maintaining a prediction service related to "Retail Inventories".

Back End Developer

PINKET

Iran, Tehran

Aug. 2020 - Mar. 2021

- I worked at Pinket for 8 month. Actually my goal was obtaining some work experience out of university and getting familiar with development tools.
- The technology stacks which I used were Spring/Spring Boot, Git, Trello, etc.
- My task was developing and maintaining a back-end service related to "Retail Inventories".

Skills

Programming Languages

Proficient at: Python, C, C++, Java - Familiar with: Assembly, C#, Verilog, Matlab, Arduino, StateChart

Framework, Libraries

Django, Django-Rest, Celery, Spring, Spring-Boot, Pandas, Numpy, TensorFlow, Keras, Matplotlib, Scikit-learn

Others

Competitive Programming, Algorithms, Graphs, Docker, Android, PostgreSQL, MongoDB(NoSQL), Proteus, Git

Languages

Persian(Native), English

Academic Projects

MPA Classification - NLP

CORE MEMBER

Iran, Tehran

Feb. 2022 - Jun. 2022

- This model is for movie classification based on MPA rating using plots.

OCR - Deep Learning

CORE MEMBER

Iran, Tehran

Jan. 2022 - Feb. 2022

- This model is for extracting the national ID and card number from the national card and bank card.

Deep Learning Course

SOLO

Iran, Tehran

Sep. 2021 - Feb. 2022

- Various projects, such as filtering images and classification.
- Gained expertise in Pandas, Numpy, TensorFlow, Keras, Matplotlib, Scikit-learn, ...

Computational Intelligence Course

SOLO

Iran, Tehran

Feb. 2021 - Jun. 2021

- Various implementation such as SOFM, MLP, Hopfield Network, ... from scratch.

MHQ - Software Engineering

BACK-END DEVELOPER

Iran, Tehran

Feb. 2021 - Jun. 2021

- This App is a Collaboration Platform for API Development and Automation. it Simplifies each step of building an API, creating scenarios for your APIs and so much more.
- Gained expertise in Docker, Test writing, Celery, Celery-beat, ...

Artificial Intelligence Course

SOLO

Iran, Tehran

Sep. 2020 - Jan. 2021

- Pacman practical Projects of Berkeley University.

TalkZone - System Design & Analysis

BACK-END DEVELOPER

Iran, Tehran

Sep. 2020 - Jan. 2021

- This is a Dating App like Tinder with the difference that instead of photos, users get acquainted with each other by writing "Opening Message" in different categories and engage in conversation.
- Gained expertise in Django, Django-rest, Scrum, ...

Algorithm Design Course

Iran, Tehran

SOLO

Feb. 2020 - Jun. 2020

- Algorithms on Graphs, Algorithms on Strings and Advanced Algorithms and Complexity courses in UCSD Data Structures and Algorithms Specialization

Data Structures Course

Iran, Tehran

SOLO

Sep. 2019 - Jan. 2020

- Algorithmic Toolbox and Data Structures courses in UCSD Data Structures and Algorithms Specialization

Stronghold - Advanced Programming

Iran, Tehran

CORE MEMBER

May. 2019 - Jun. 2019

- Stronghold crusader game with Java, JavaFX and Swing.
- Gained expertise in Java, JavaFx, Socket programming, ...

River Raid - Programming Basics

Iran, Tehran

CORE MEMBER

Jan. 2019 - Jan. 2019

- Implement River Raid with C++ and using SDL library.
- Gained expertise in Object Oriented C++, SDL library, ...

Online Courses

2020	Coursera , Data Structures and Algorithms Specialization	Iran, Tehran
2020	Coursera , Genome Assembly Programming Challenge	Iran, Tehran
2020	Coursera , Algorithms on Graphs	Iran, Tehran
2020	Coursera , Advanced Algorithms and Complexity	Iran, Tehran
2020	Coursera , Data Structures	Iran, Tehran
2020	Coursera , Algorithms on Strings	Iran, Tehran
2020	Coursera , Algorithmic Toolbox	Iran, Tehran

Selected Course

Natural language processing A / IoT and Embedded Systems A+
Microprocessors and Assembly Language Programming A+ / Deep Learning A+
Analysis and design of systems A+ / Operating Systems A+
Database Design A+ / Algorithm Design A+
Data Structures A+ / Theory of Languages and Automata A+
Programming Basics A+ / Discrete Math A