Ali Alizadeh

Portfolio
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in Linkedin
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Education

IUST University (among the top 4 universities in Iran)

Tehran, Iran

B.Sc. in Computer Engineering at Iran University of Science & Technology

2021 – Feb 2026

- Thesis: Predicting RNA 3D Structures from Sequence Using Machine Learning
- GPA of the Last Two Years: 3.66/4.0 (17.37/20.0 in Iranian Scale)
- Ranked Among Top 10% GPA in my class
- Selected Courses: Algorithms (A+), Computational Intelligence (A), Microprocessor and Assembly Languages (A), Signals and Systems (A), Engineering Probability and Statistics (A), System Analysis and Design (A), Operating Systems (A-)

High School Diploma - Biology

Rafsanjan, Iran

National Organization for Development of Exceptional Talents (Sampad)

2014 - 2018

- GPA: 4/4
- Sampad recruits students for middle and high schools through a two-step set of exams at each level. The
 organization aims to provide a unique educational environment for exceptionally talented students.

Research Interests

- Machine Learning for Biology
- Computational Biology
- Bioinformatics

- Drug Discovery
- RNA and Protein Structure Prediction
- Deep Learning in Healthcare

Publications

Predicting RNA 3D Structures from Sequence Using Machine Learning

in Preparation

Authors: Ali Alizadeh, Reza Entezari-Maleki

Research Experience

Research Assistant in Dr. Entezari's Lab

Bachelor Thesis, School of Computer Engineering

IUST University Sept 2024 - present

- Supervisor: Dr. Reza Entezari-Maleki
- Worked on a variety of academic projects
- Academic paper: Predicting RNA 3D Structures from Sequence Using Machine Learning
- Developed and implemented machine and deep learning models for RNA-related research, using frameworks such as PyTorch, PyTorch Geometric, Keras, TensorFlow, Scikit-learn and Pandas

Skills

- Programming Languages and Technologies: Python, Golang, C, C++, C#, Js, SQL, PostgreSQL
- Libraries and Frameworks: PyTorch, PyTorch Geometric, Keras, TensorFlow, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, Django, React.js
- Environments and Tools: Linux (Ubuntu), Git, Postman, Docker, Terraform, Bash

Teaching & Industrial Experience

Teaching Assistant

School of Computer Engineering

IUST University Sept 2022 - Jan 2026

- Fundamentals of Programming Instructor: Dr. Mehrdad Ashtiani Spring 2025
- Advanced Programming Instructor: Dr. Marzieh Maleki Spring 2025
- Computer Architecture Instructor: Dr. Mehdi Hosseini Monazzah Spring 2025
- Design and Analysis of Algorithms Instructor: Dr. Farzaneh Ghayour Baghbani Spring 2025
- Operating system lab Instructor: Dr. Reza Entezari-Maleki Spring 2025
- System Analysis and Design Instructor: Dr. Mehrdad Ashtiani Fall 2024
- Formal Languages and Automata Theory Instructor: Dr. Farzaneh Ghayour Baghbani Spring 2024
- Principles of Database Design Instructor: Dr. Hossein Rahmani Spring 2024
- Fundamentals of Programming Instructor: Dr. Tayebe Rafiei Fall 2022

Software Engineer Intern

System Group, Tehran

Summer 2024

Back-End Developer Internship

- Technologies: C# and .NET Framework

Projects

NoCodi.ir IUST University

Software Engineering Course Project – Nocodi.ir

Spring 2025

- Implemented the Website using Scrum methodology with integrated CI/CD pipelines.
- Frontend implemented with React.js GitHub
- Backend implemented with Django GitHub

Seven apply IUST University

System Analysis and Design Course Project

Spring 2024

- Developed using Scrum methodology.
- Frontend implemented with React.js GitHub
- Backend implemented with Django GitHub

XV6 System Call IUST University

Operating Systems Course – GitHub

Fall 2023

Add threading support to XV6 using C

Honors & Certificates

Among top 10% in My Class in GPA(last two years:17.37/20)

Sept 2021 - Present

School of Computer Science, IUST

- Class of 110 students

Ranked Within the Top 0.5% in Iranian University Entrance Exam

Spring 2025

Mathematics and Physics majors

- Ranked 175 among 127000 students

Scored above 1000 on Codeforces and solved over 100 algorithm problems on LeetCode Dec 2024

Profile available on Codeforces.com Profile available on leetcode.com

- Demonstrated strong problem-solving skills and proficiency in algorithms and data structures.

Finalist - Irancell Labs Artificial Intelligence Hackathon

Sept 2023

Certificate available on Quera.org

- Selected as a finalist for demonstrating strong skills in developing and optimizing AI models.

Introduction to Deep Learning with PyTorch

Fall 2024

Certificate on DataCamp

- Includes courses on Deep learning with PyTorch.

Introduction to Machine Learning

May 2025

Certificate on Kaggle

- Includes courses on Machine learning with scikit-learn.

CS50: Introduction to Computer Science

Summer 2021

Certificate on CS50

 Includes courses on Data Structures, Algorithms, SQL, Python, Web Development, CSS, HTML, and JavaScript.

Standardized Tests

- TOEFL iBT: Planning to take on September 27th, 2025
- GRE: Planning to take on November 2nd, 2025

References

Dr. Reza Entezari-MalekiAssistant Professor at Department of Computer EngineeringEmail: entezari@iust.ac.ir	Iran University of Science & Technology
Dr. Nasser MozayaniAssociate Professor at Department of Computer EngineeringEmail: mozayani@iust.ac.ir	Iran University of Science & Technology
Dr. Mehrdad AshtianiAssociate Professor at Department of Computer EngineeringEmail: m_ashtiani@iust.ac.ir	Iran University of Science & Technology