

Amirhossein Farkhondehfar

amirhoseinfar1385@gmail.com · Codeforces: amirhoseinfar1385 (Max Rating: 2587)

Education

Sharif University of Technology

2024 – 2028

Bachelor of Science in Computer Engineering

- Completed Data Structures, Design of Algorithms, and Discrete Mathematics with a perfect score (20/20).
- Passed Computational Geometry (Graduate/Master's level course) with a perfect score (20/20).

Achievements

- Codeforces Maximum Rating: 2587 (Grandmaster).
- Qualified for the ICPC World Finals.
- ICPC Asia Regional (Tehran Site) Gold Medal.
- Silver Medal, International Olympiad in Informatics (IOI 2024).
- Silver Medal, Asia-Pacific Informatics Olympiad (APIO 2024).
- Gold Medal, Iran National Olympiad in Informatics (INOI 2023).
- Bronze Medal, Iran National Olympiad in Informatics (INOI 2022).
- 1st Place (Perfect Score), Croatian Open Competition in Informatics (COCI 2024).
- Top 20, Japanese Olympiad in Informatics Spring Camp (JOISC 2024).
- Solved 3000+ algorithmic programming problems.

Professional Experience

xAI

2024

Competitive Programming Problem Solver

- Solved advanced algorithmic programming challenges.
- Verified correctness and quality of competitive programming solutions.
- Worked remotely as a contractor to help train AI models.

Scientific Committee & Problem Setting

Iran National Olympiad in Informatics (INOI)

2025 – 2026

National Committee Member & Problem Setter

- Appointed as a member of the National Informatics Olympiad Committee of Iran.
- Designed original algorithmic problems for national olympiad finalists and the IOI Team Selection Camp.
- Prepared test cases and editorials for the competitions.

Teaching Experience

Iran National Olympiad in Informatics (INOI)

2024

- Algorithms and Data Structures Instructor, INOI Summer Camp and IOI Team Selection Camp.

Individual Coaching

2023 – Present

- Mentored students preparing for the Iran National Olympiad in Informatics.
- Coached multiple IOI medalists and ICPC World Finalists.

Karaj Olympiad Department

2024 – Present

- Taught advanced algorithms and data structures to high school students.

ACPC Team Coach

2024

- Coached a team participating in the Africa and Arab Collegiate Programming Championship.

Research Experience

Currently conducting undergraduate research in the following areas:

- Game Theory and Algorithmic Game Theory
- Computational Geometry

Technical Skills

- C++, Python, LaTeX
- Advanced Algorithms and Data Structures

- Competitive Programming
- Mathematical Problem Solving