Amirmahdi Karami

⦿ Tehran, Iran ✉ am.ma.karami@gmail.com **in** /in/amir-mahdi-karami 📞 (+98) 9215988249

Profile

Computer Science student at Amirkabir University with diverse experience in AI, web development, and quantitative research. Strong background in Python, machine learning (PyTorch, Scikit-Learn), and backend development (PHP, Laravel). Experienced Teaching Assistant for multiple courses including Data Structures & Algorithms (Head TA), with proven track record in competitive programming (ICPC rankings) and real-world applications. Passionate about building scalable solutions and eager to contribute to innovative projects.

Education

BS   **Amirkabir University of Technology**, Major: Computer Science   Sept 2022 - Present

- GPA: 19.1/20
- Second most prestigious technical university in Iran, renowned for engineering excellence

HS Diploma   **Allameh helli high school**, Mathematics & Physics   Sept 2019 – June 2022

- GPA: 19.5/20
- Accepted in the first round of Iran National Olympiad in Mathematics and Informatics
- Studied for National Olympiad in Informatics

Experience

Quantitative Researcher Intern, Hermes Capital   Sept 2024 – Dec 2024

- Collaborated as part of a team to optimize a predictive model for the USDT-TMN exchange rate.

AI Software Engineer Intern, Torob   Oct 2023 – Dec 2023

- Engineered AI-powered customer service chatbots using natural language processing and large language model integration

Math & Statistics Olympiad Teacher, Allameh helli high school   Nov 2022 – May 2023

- Taught math and statistics to Economics Olympiad students.

Back-end Developer, Dangify   July 2023 – Dec 2023

- Developed new features and refactored legacy code to increase the application's performance.
- Technologies: PHP, Laravel, SQL, Clean Code, Postman

Teaching Assistant Experience

- **Amirkabir University of Technology:**
  - Introduction to Logic & Set Theory (Fall 2024)
  - Foundation of Combinatorics (Spring 2024)
  - Advanced Programming and Workshop (Spring 2024)
  - Data Structure and Algorithms (Spring 2024, Fall 2024, Spring 2025 - Head TA)
  - Foundation of Mathematics (Spring 2025)
- **Sharif University of Technology:**
  - Theory of Formal Languages and Automata (Fall 2024, Spring 2025)

Certifications & Achievements

- **ICPC Asia Tehran Regional Contest 2022**: Ranked 8th - view certification ↗
- **ICPC Asia Tehran Internet Contest 2023**: Ranked 13th - view certification ↗
- **Divar AI Software Engineering Contest**: Ranked 189th - view leaderboard ↗
- **Torob AI Software Engineering Contest**: Ranked 33rd - view leaderboard ↗
- **MLOps Fundamentals Track, DataCamp**: view certification ↗
- **LLMOps Concepts, DataCamp**: view certification ↗
- **Software Engineering Principles in Python, DataCamp**: view certification ↗

Languages and Technologies

Programming Languages: Python (AI/ML, data analysis), C++ (algorithms, competitive programming)