

RAHA KARIMINIA

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SUMMARY

Interested in learning and problem solving and having advancements in the field of machine learning and artificial intelligence and having interpersonal skills with a proven ability to work independently and as part of a team.

EDUCATION

Amirkabir University of Technology

Sep. 2022 – Present

Bachelor student in computer science

Iran, Tehran

- GPA = 19.48

CERTIFICATIONS

Algorithm Arena course

Summer 2023

Amirkabir University of Technology, Iran, Tehran

- Alghorithm certificate

Scrum/Agile

Fall 2024

Ultima training tech co

- Scrum/Agile certificate

AWARDS

Silver medal in National Mathematical Olympiad , Iran

Summer 2021

- Silver medal of the 39th Mathematical Olympiad, academic year 2020-2021

SKILLS

- **Languages:** Python, C/C++
- **Developer Tools:** VS Code, Visual Studio, PyCharm
- **Libraries:** pandas, NumPy, Matplotlib, SKlearn
- **Web Developments:** Css, Html, JavaScript, React, TypeScript, Tailwind css
- **Soft Skills:** Time Management, Teamwork, Communication, Problem Solving

EXRERIENCE

Undergraduate Teacher Assistance

Amirkabir University of Technology

- Artificial Intelligence & Workshop
- Foundation of Combinatorics

Fall 2024

Fall 2023 & Spring 2023

Undergraduate Grader

Amirkabir University of Technology

- Basic programming

Spring 2025

Geometry Tutor

Highschool private geometry tutor

Summer 2024 – Spring 2025

Internship

Rastanovinraya Company

- AI developer (develop chatbot)

12 July 2025 – 9 August 2025

PROJECTS

- Space Invader | cpp, QT
using cpp and QT for Developing a game as Advanced Programming final project. July 2023 – July 2023
- ADHD | python, SciKitlearn, numpy, pandas, matplotlib
training a model to recognize ADHD June 2024
- University portal | c
developing an app as basic programming project, which uses command line with out ui. January 2023 – January 2023
- Geometric A-star | python
implementing search algorithms and implementing geomitric A-star algorithm based “Geometric A-star Algorithm : An Improved A-star Algorithm for AGV Path Planning in a Port Environment (AI pacman project)” paper. February 2024
- AI pacman project | python
implementing Adverserial Algorithms in “Artificial Intelligence project designed by UC Berkeley” environment. Spring 2024
- Preprocessing apartment rent dataset | python, numpy, pandas, matplotlib
preprocessing dataset based on statistic information data using python. October 2024
- GNN project | python, SciKitlearn, numpy, networkx, node2vec
GNN project using dataset “Zachary’s Karate Club”. September 2024
- PageRank algorithm | python, numpy, scipy, networkx
Three different implementations of pagerankalgorithm and comparing each of them. March 2025
- Qr Handwriting Detection | python, numpy, scipy, emnist
implements a handwritten letter recognition system using the least squares method and QR decomposition. April 2025