

# Seyyed Sina Negahban

Student

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## EDUCATION

### Bachelor of Science Degree in Computer Engineering

Amirkabir University of Technology (Tehran Polytechnic) [🔗](#)

Sep 2022 – present  
Tehran, Iran

**GPA: 19.33/20**

Expected Graduation: Summer 2026

Selected Courses: Principles & Applications of Artificial Intelligence, Applied Linear Algebra, Data Structures and Algorithms, Algorithm Design, Signals and Systems, Statistics and Probability

### High School Diploma, Mathematics and Physics

Allameh Amini Exceptional Talents (Sampad)

Sep 2019 – Jun 2022  
Tabriz, Iran

**GPA: 19.75/20**

## RESEARCH EXPERIENCE

### Research Intern

Institute for Research in Fundamental Sciences (IPM)

Worked on Deep Perspective Transformation

Jun 2024 – Aug 2024  
Tehran, Iran

## PROJECTS

### Chess [🔗](#)

A program for chess written in Python using adversarial search algorithms

### Taxi-V3 [🔗](#)

Implementations of several reinforcement learning (RL) algorithms with Jupyter Notebook to solve the Taxi-v3 environment from the OpenAI Gym

### Custom XV6 [🔗](#)

A project to modify the xv6 operating system, adding new features such as system calls, process management enhancements, and threading support.

### Book Management [🔗](#)

A program written in Python for managing books with a simple GUI

### Samad (Food and Cafeteria Management) [🔗](#)

A project written in C designed for food reservation and cafeteria management in schools

### Map Coloring [🔗](#)

Implementation of a map coloring solver with Python using constraint satisfaction techniques

## SKILLS

- Programming Language: Python, Java, C/C++, HTML/CSS
- AI, ML: Regression (Linear, Logistic), Classification, Clustering, Neural Network, RL, Bayes Net, Anomaly Detection, Recommender System, Numpy, Matplotlib, Scikit-Learn, Tensorflow
- Software Development: SQL, Git, Django, MVC Architecture, Linux
- Programming Expertise: Data Structures and Algorithms, Object Oriented Programming

## TEACHING EXPERIENCE

<b>Principles &amp; Applications of Artificial Intelligence Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Mahdi Javanmardi	Jan 2025 – present
<b>Signals and Systems Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Mohammad Rahmati	Jan 2025 – present
<b>Applied Linear Algebra Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Mostafa Haghir Chehreghani	Jan 2025 – present
<b>Applied Linear Algebra Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Maryam Amir Mazlaghani	Jan 2025 – present
<b>Computer Architecture Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Azim Farghadan	Jan 2025 – present
<b>Applied Linear Algebra Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Ehsan Nazerfard	Sep 2024 – Jan 2025
<b>Advanced Programming Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Hossein Zeinali and Dr. Amir Kalbasi	Feb 2024 – Jun 2024
<b>Fundamentals of Computer Programming Teaching Assistant</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i> Under the supervision of Dr. Morteza Zakeri	Feb 2024 – Jun 2024







## ACHIEVEMENTS

<b>Top 5% Class Rank</b> <i>Amirkabir University of Technology (Tehran Polytechnic)</i>	Sep 2022 – present
<b>National University Entrance Exam 1401</b> Rank 223 among 132452 participants	Jun 2022 Iran
<b>Computer Olympiad</b> Acceptance in the 1st stage	2021 Iran

## LANGUAGES

- English (Professional)
- Persian (Native)
- French (Elementary)
- Turkish (Mother tongue)

## COURSES

<b>Neural Networks and Deep Learning</b>  <i>DeepLearning.AI, Stanford University</i>	Jan 2025
<b>Machine Learning Specialization</b>  <i>DeepLearning.AI, Stanford University</i>	Jan 2025
<b>Unsupervised Learning, Recommenders, Reinforcement Learning</b>  <i>DeepLearning.AI, Stanford University</i>	Jan 2025
<b>Advanced Learning Algorithms</b>  <i>DeepLearning.AI, Stanford University</i>	Aug 2024
<b>Supervised Machine Learning</b>  <i>DeepLearning.AI, Stanford University</i>	Jun 2024
<b>Intro to Machine Learning</b>  <i>kaggle.com</i>	Jun 2024