

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)

Jun 2024 – Aug 2024

Tehran, Iran

Worked on Deep Perspective Transformation

PROJECTS

Loan Default Prediction Analysis 🔗

A Jupyter notebook that implements a machine learning pipeline to predict loan default risk

MyTorch (Custom Deep Learning Library) 🔗

A custom and lightweight neural network framework built from scratch in Python

Chess 🔗

A program for chess written in Python using adversarial search algorithms

Taxi-V3 🔗

Implementations of several reinforcement learning algorithms in Jupyter Notebook to solve the Taxi-v3 environment

Custom XV6 🔗

A project to modify the XV6 operating system with adding new features

Samad (Food and Cafeteria Management) 🔗

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

Map Coloring 🔗

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

SKILLS

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

TEACHING EXPERIENCE

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







ACHIEVEMENTS

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

LANGUAGES

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

COURSES

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