



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: 19.34/20

Expected Graduation: Summer 2026

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

High School Diploma, Mathematics and Physics

Allameh Amini Exceptional Talents (Sampad)

GPA: 19.75/20

Sep 2019 – Jun 2022
Tabriz, Iran

PROFESSIONAL EXPERIENCE

Data Scientist

Ferrum Capital

Building predictive models for credit default timing and developing autonomous AI agents

Jun 2025 – Present
Tehran, Iran

Research Intern

Institute for Research in Fundamental Sciences (IPM)

Worked on Deep Perspective Transformation for Autonomous Vehicles

Jun 2024 – Aug 2024
Tehran, Iran

SKILLS

Programming Languages

Python, Java, C/C++, JavaScript, HTML/CSS

AI, ML

- **Supervised Learning:** Regression, Classification, Tree-based Models
- **Unsupervised Learning:** Clustering, Reinforcement Learning, Anomaly Detection
- **Deep Learning:** Neural Networks, CNNs, RNNs
- **Libraries & Tools:** NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow, PyTorch
- **Other:** Recommender Systems, Bayesian Networks

Software Development

Programming & Frameworks: Django, FastAPI, Node.js, Vue.js

Databases: PostgreSQL, MySQL, SQLite

Version Control: Git, GitHub, GitLab

Operating Systems & Tools: Linux, Bash, Docker

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 python-based chess program utilizing adversarial search algorithms for intelligent gameplay

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

Quiz Match

A full-featured CLI-based multiplayer quiz game built with Python and PostgreSQL

Samad (Food and Cafeteria Management)

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

TEACHING EXPERIENCE**Principles & Applications of Artificial Intelligence Teaching Assistant**

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Mahdi Javanmardi

Spring 2025 – Fall 2025

Signals and Systems Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Mohammad Rahmati

Spring 2025 – Fall 2025

Applied Linear Algebra Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Mostafa Haghir Chehreghani

Spring 2025 – Fall 2025

Algorithm Design Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Mahdi Javanmardi

Fall 2025

Artificial Intelligence Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Mehdi Ghatee

Fall 2025

Applied Linear Algebra Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Maryam Amir Mazlaghani

Spring 2025

Computer Architecture Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Azim Farghadan

Spring 2025

Applied Linear Algebra Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Ehsan Nazerfard

Fall 2024

Advanced Programming Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Hossein Zeinali and Dr. Amir Kalbasi

Spring 2024

Fundamentals of Computer Programming Teaching Assistant

Amirkabir University of Technology (Tehran Polytechnic)

Under the supervision of Dr. Morteza Zakeri

Spring 2024

LANGUAGES**English**

Advanced (C1: IELTS Academic 7.5)

French

Elementary (A2)

Persian

Native

Turkish

Mother tongue

ACHIEVEMENTS**Top 5 Class Rank**

Ranked 5th of 124 in Computer Engineering, Amirkabir University of Technology

Sep 2022 – present

National University Entrance Exam 1401

Rank 223 among 132452 participants

Jun 2022

COURSES**Neural Networks and Deep Learning**

DeepLearning.AI, Stanford University

Jan 2025

Machine Learning Specialization

DeepLearning.AI, Stanford University

Jan 2025

Intro to Machine Learning

kaggle.com

Jun 2024