

PARSA GHEZELBASH

Computer Engineering @ SUT

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🌐 parsaghezelbash.github.io

in [parsa-ghezelbash](#)

🐙 [ParsaGhezelbash](#)

EDUCATION

Computer Engineering

Sharif University of Technology

📅 2022 – Ongoing

📍 Tehran

- Major GPA: 19.24/20

National Olympiad Preparation Camp

Young Scholars Club

📅 2021 – 2022

📍 Tehran

- Intensive training in advanced Physics, problem-solving, and competitive physic experiments under mentorship of top academics.

Diploma in Mathematics and Physics Discipline

Atomic Energy High School

📅 2019 – 2021

📍 Tehran

- GPA: 18.6/20

ACHIEVEMENTS



Gold Medal National Olympiad in Physics

Selected among top 10 students nationwide to train for the International Olympiad in Physics (IPHO).

PROJECTS

DeepRL 🐙

A repository featuring implementations and experiments with deep reinforcement learning algorithms (e.g., DQN, PPO, SAC, model based RL, multi armed bandits, ...).

Deep Learning 🐙

A collection of Jupyter notebooks covering key deep learning concepts, implementations, and experiments,

Machine Learning 🐙

Built a repository of Jupyter Notebooks covering ML topics (e.g., regression, NLP, CNN, Transformers and self supervised learning)

Advanced Convex Optimization 🐙

Applied gradient descent, Lagrange multipliers, and LP solvers to optimize convex problems

Mobile Game "AA" with JAVA 🐙

Created a 2D game AA using Java.

MY LIFE PHILOSOPHY

"Will forges a way."

COURSES

Deep Reinforcement Learning

📅 Spring 2025

Deep Learning

📅 Spring 2024

- Grade: 17/20

Machine Learning

📅 Fall 2024

- Grade 20/20

Convex Optimization

📅 Fall 2024

- Grade: 17/20

Artificial Intelligence

📅 Spring 2024

- Grade: 20/20

Probability & Statistics

📅 Fall 2023

- Grade: 20/20

Linear Algebra

📅 Fall 2023

- Grade: 20/20

TEACHING ASSISTANT

Machine Learning

📅 Spring 2025

Probability & Statistics

📅 Fall 2024, Spring 2024

Linear Algebra

📅 Spring 2025, Fall 2024

Numerical Computation

📅 Spring 2025, Fall 2024, Spring 2024

- Head TA for Fall 2024

SKILLS

RL

Deep Learning

ML

Network

Problem Solving

Python

PyTorch

TensorFlow

numpy

CVXPY

Java

Kotlin

Git

Linux