

PARSA GHEZELBASH

Computer Engineering @ SUT

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🌐 parsaghezelbash.github.io

in parsaghezelbash

🔗 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).

EXPERIENCE

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

"Through hardship to the stars."

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