



PARSA GHEZELBASH

Computer Engineering @ SUT

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 [parsaghezelbash.github.io](https://github.com/parsaghezelbash)


 [parsa-ghezelbash](#)

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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

Machine Learning

 Fall 2024

Convex Optimization

 Fall 2024

Artificial Intelligence

 Spring 2024

Probability & Statistics

 Fall 2023

Linear Algebra

 Fall 2023

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