

# PARSA GHEZELBASH

## Computer Engineering @ SUT

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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 physics experiments under mentorship of top academics.

### Diploma in Mathematics and Physics Discipline

#### Atomic Energy High School

📅 2019 – 2021

📍 Tehran

- GPA: 18.6

## 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

📅 Sprint 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

## SKILLS

RL

Deep Learning

ML

Network

Problem Solving

Python

PyTorch

TensorFlow

numpy

CVXPY

Java

Kotlin

Git

Linux