

# Mohammad Sina Parvizi Motlagh

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## Education

### University of Tehran

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- GPA : 16.45 / 20.0 (Faculty Average: 14.96/20)

Tehran, Iran

Sep. 2022 - Current

### Shahed Payambar

HIGHSCHOOL DIPLOMA IN MATHEMATICS

- GPA : 19.5 / 20.0

Qazvin, Iran

Sep. 2019 - June 2022

## Research Interests

- Artificial Intelligence and Machine Learning
- Data Analytics and Data Science
- Deep Learning
- Natural Language Processing

## Projects

### Artificial Intelligence Course

- CA1: Genetic Algorithm
- CA2: HMM
- CA3: Clustering
- CA4: Machine Learning
- CA5: Deep Neural Networks
- CA6: Reinforcement Learning

### Rayan AI Course

- HW1: Fraud Detection (SVM & Logistic Regression)
- HW2: CNN Classification/Regression
- HW3: Variational Autoencoder

### Engineering Probability & Statistics Projects

- CA0: Books Classification using Bayes Rule
- CA1: Working with probability distributions
- CA2: Conditional distribution and moment generating function
- CA3: AutoEncoder models, regression, central limit theorem and sampling

### CalPro Library

- A Python library for calculation and plotting

### Turtix Game

- Advanced programming course project

## Honors & Awards

2022	<b>Ranked 902 (Top 0.6) in National University Entrance Exam</b> , Sanjesh Organization	Qazvin, Iran
2024	<b>Certified in Deep Learning course</b> , UT ACM Summer of Code 2024 Deep Learning Course	Tehran, Iran
2024	<b>Certified Course in Deep and Machine Learning</b> , Sharif University of Technology	Tehran, Iran
2024	<b>Certified Course on Trustworthy Deep Learning</b> , Sharif University of Technology	Tehran, Iran

## Teaching Experiences

### UNIVERSITY OF TEHRAN

<b>Teaching Assistant</b> , Introduction to Computing Systems and Programming	Fall 2024
<b>Teaching Assistant</b> , Engineering Mathematics Assistance	Fall 2024, Spring 2025

### K. N. TOOSI UNIVERSITY OF TECHNOLOGY

<b>Teaching Assistant</b> , Artificial Intelligence	Spring 2025
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## Skills

<b>Programming Languages</b>	C, C++, Python, Java, Matlab, C
<b>Tools &amp; Libraries</b>	Persian, English
	NumPy, Pandas, Matplotlib, TensorFlow, PyTorch, Git, Linux