



# Mohammad Sina Parvizi Motlagh

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## EDUCATION AND TRAINING

### B.S. in Computer Science and engineering

**University of Tehran** [ 01/09/2022 – Current ]

City: Tehran | Country: Iran | Website: <https://ece.ut.ac.ir/en/ece>

• GPA : 16.39 / 20.0 (Faculty Average: 14.96/20)

### Highschool Diploma in Mathematics

**Shahed Payambar** [ 01/09/2019 – 01/06/2022 ]

City: Qazvin | Country: Iran

• GPA : 19.5 / 20.0

## HONOURS AND AWARDS

Ranked 902th among 150,000 Participants in Iran's National University Entrance Exam

**Sanjesh Organization** • among top 0.6% of participants

## HOBBIES AND INTERESTS

**Research Interests** • Artificial Intelligence and Machine Learning

• Data Analytics and Data Science

• Deep Learning

• Natural Language Processing

## VOLUNTEERING

[ 01/09/2024 – Current ] University of Tehran

**Engineering Mathematics Assistance** • Designing Homeworks

## PROJECTS

### 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

Link: <https://github.com/mosipamo/Engineering-Probability-Statistics>

**CAI\_Pro** CalPro - Calculator and Plotting Library

Links: [https://github.com/mosipamo/Cal\\_pro\\_library](https://github.com/mosipamo/Cal_pro_library) | <https://pypi.org/project/cal-pro/0.1.4/>

### Artificial Intelligence Course

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

Link: <https://github.com/mosipamo/Artificial-Intelligence-Course>

### Turtix Game

Link: <https://github.com/mosipamo/Advanced-Programming/tree/main/A5-810101492-810101394>

### Rayan AI Course

- HW1: Fraud Detection Analysis (SVM & Logistic Regression)
- HW2: Neural Networks and Deep Learning (CNN, Classification, Regression)
- HW3: Variational Autoencoder (Stable Diffusion)

Link: <https://github.com/mosipamo/Rayan-AI-Course>

## LANGUAGE SKILLS

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**Mother tongue(s):** Persian

**Other language(s):**

**English**

**LISTENING** B2 **READING** B2 **WRITING** B1

**SPOKEN PRODUCTION** B1 **SPOKEN INTERACTION** B1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*