

Mohammad Sina Parvizi Motlagh

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Education

University of Tehran

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- GPA : 17.11 / 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

Experience

Aida Sales

BACKEND DEVELOPER INTERN

- Worked as a Backend Developer Intern, contributing to the development and optimization of backend systems.

Tehrab, Iran

Jul. 2025 - Sep. 2025

Aida Sales

BACKEND DEVELOPER

- Implemented new functionalities to enhance system capabilities.

Tehrab, Iran

Sep. 2025 - Mar. 2026

Projects

Machine Learning Course

- CA1: Bayes' Rule, Classifiers, and Parameter Estimation (MLE)
- CA2: Optimization Problems
- CA3: SVMs and Decision Trees
- CA4: Supervised and Unsupervised Learning Concepts
- CA5: Regression and Neural Networks
- Final Project: Language Identification

Artificial Intelligence Course

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

Deep Generative Models Course

- CA1: Variational Autoencoders (VAEs) and PGM
- CA2: Generative Adversarial Networks (GANs)
- CA3: Normalizing Flows & Energy-Based Models (EBMs)
- CA4: Diffusion Models & Score-Based Generative Models

Rayan AI Course

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

Engineering Probability & Statistics Course

- CA1: Books Classification using Bayes Rule
- CA2: Working with probability distributions
- CA3: Conditional distribution and moment generating function
- CA4: AutoEncoder models, regression, central limit theorem and sampling

Todo Application

- A full-stack web application built with FastAPI, serving dynamic HTML pages styled with CSS and Bootstrap. This application supports user authentication, role-based access (admin/user), and task management with persistent storage using SQLite and Alembic for migrations.

Trip-App

- A Django-based web application that helps you keep track of all your adventures and never forget the amazing memories. TripApp allows users to create, manage, and organize their trips with detailed notes, ratings, and images.

Honors & Awards

2022	Ranked 902 (Top 0.6) in National University Entrance Exam , Sanjesh Organization	<i>Qazvin, Iran</i>
2024	Certified in Deep Learning course , UT ACM Summer of Code 2024 Deep Learning Course	<i>Tehran, Iran</i>
2024	Certified Course in Deep and Machine Learning , Sharif University of Technology	<i>Tehran, Iran</i>
2024	Certified Course on Trustworthy Deep Learning , Sharif University of Technology	<i>Tehran, Iran</i>
2024	MatLab Course , KNTU Electrical Engineering Faculty	<i>Tehran, Iran</i>
2025	Algorithm LevelUp , Quera	<i>Tehran, Iran</i>

Teaching Experiences

UNIVERSITY OF TEHRAN

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

K. N. TOOSI UNIVERSITY OF TECHNOLOGY

Teaching Assistant , Artificial Intelligence	<i>Spring 2025</i>
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Skills

Programming	C, C++, Python, Java, Matlab, C#
Frameworks & Web Technologies	FastAPI, Django
Databases	PostgreSQL, MySQL
Tools & Libraries	NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch, Git, Linux
Languages	Persian, English