

Mohammadjavad Ahmadpour

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Research Interests

Generative Models - Language Models - Reinforcement Learning

Education

Sharif University of Technology	Tehran, Iran
Bachelor degree in Computer Engineering	2021 – Present
Overall GPA: 19.63/20 Rank: 10 out of 117	
National Organization for Development of Exceptional Talents	Isfahan, Iran
Diploma degree in Mathematics and Physics	2017 – 2021
Overall GPA: 19.6/20	

Honors and Awards

Mathematics and Physics University Entrance Exam 2021 – Ranked 7 Among 130,000 Participants
Test of English as a Foreign Language (TOEFL iBT) August 2025 – 108/120

Projects

Information Retrieval (Python): Python Program That Crawls Data, Creates a Search Engine, and Analyses The Data Using Machine Learning[Github]

RL Notebooks (Python): Practical Homework of DRL Course[Github]

DGM Notebooks (Python): Practical Homework of Deep Generative Modles Course[Github]

Stock Prediction (Python): Predicting the S&P500 Future Prices Using Different Methods [Github]

RL_NLP (Python): Implementation of a Text Genrator using Reinforcement Learning [Github]

Spectral Clustering (Python): Python Program Using Numpy Library to Cluster Points [Github]

Image Processing (Python): Python Program Using Numpy Library to Compress Images [Github]

Civilization (JAVA): Object-Oriented Java Program for Civilization game Using Javafx [Github]

Experiences

Teaching Assistant of Advanced RL	
Prof. Mahdieh Soleymani Baghshah	Fall 2025
Teaching Assistant of Deep Learning	
Prof. Mahdieh Soleymani Baghshah	Spring 2025
Teaching Assistant of Stochastic Processes	
Prof. Amin Najafi	Spring 2025
Head Teaching Assistant of Linear Algebra	
Dr. Maryam Ramezani	Fall 2024
Teaching Assistant of Statistics and Probability	
Prof. Amin Najafi	Fall 2023 & Spring 2024 & Fall 2024
Teaching Assistant of Machine Learning	
Prof. Abolfazl Motahari	Spring 2024
Teaching Assistant of Artificaial Intelligence	
Prof. MohammadHossein Rohban	Spring 2024 & Fall 2024

Research Assistant at Data Science and Machine Learning Lab

- Point Process and Stochastic processes
- Simulate and Learn Hawkes Process
- Fake News Mitigation & Cascade Prediction

Dr. Maryam Ramezani

Summer 2023

Research Assistant

- Test Time Computing for LLMs & VLMs
- Benchmark VLMs for Reasoning Tasks
- Creating New Benchmarks

Prof. Mahdiah Soleymani

Winter 2025

Work Experience

Java Developer - Internship

- Kotlin and Java
- Sprint Boot, Kafka, SQL Server, Redis, Elastic Stack (Elastic Search, Kibana, Logstash)
- Cyclos & Bank Interface

Tosan Soha Company

3 Months

Skills

Programming/ Computing Skills: • Python • java • C/C++

Other Skills: • Git • \LaTeX • Database

Academic Courses

Advanced Programming: 20/20

Fundamental of Programming : 20/20

Artificial Intelligence: 20/20

Linear Algebra : 20/20

Data Structure And Algorithm : 20/20

Database Design: 20/20

Computer Simulation: 20/20

Information retrieval: 20/20

Game Theory: 20/20

Deep Generative Models: 20/20

Stochastic Processes: 19.5/20

Deep Reinforcement Learning: Enrolled In