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

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 Deep Learning

Prof. Mahdieh Soleymani Baghshah   Spring 2024

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 Inteligence

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. Mahdieh 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

Language Skills: • Persian (*mother tongue*) • English

Academic Courses

Advanced Programming: 20/20	**Computer Simulation:** 20/20
Fundamental of Programming : 20/20	**Information retrieval:** 20/20
Artificial Intelligence: 20/20	**Game Theory:** 20/20
Linear Algebra : 20/20	**Deep Generative Models:** 20/20
Data Structure And Algorithm : 20/20	**Stochastic Processes:** 19.5/20
Database Design: 20/20	**Deep Reinforcement Learning:** Enrolled In