Mohammadjavad Ahmadpour

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Research Interests

Machine Learning - Deep Learning - Generative Models

Education

Sharif University of Technology — Tehran, Iran

Bachelor degree in Computer Engineering — *2021 – Present*

Overall GPA: 19.61/20 Rank: 11 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

Civilization (JAVA): Object-Oriented java program for Civilization game using javafx [Github]

Kafka (Spring boot): Simple kafka program [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]

Information Retrieval (Python): Python program that first, crawls data, second, create a search engine on data and finally analysis the data with machine learning methods. [Github]

Experiences

Head Teaching Assistant of Linear Algebra

Prof. Hamid R. Rabiee — Fall 2024

Teaching Assistant of Linear Algebra

Prof. Hamid R. Rabiee — Fall 2023 & Spring 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

Prof. Hamid R. Rabiee — Since Summer 2023

Research Experience

- Social Networks Data Analysis
- TikTok Data Analysis & Machine Learning

Prof. Ingmar Weber — Summer 2024

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

Relevant Coursework

cs 188 Berkeley: Introduction To Artificial Intelligence

Methods of Machine Learning By Prof. Dr. Karla Pollmann

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

Communication Special Topics (Deep Generative Models): Enrolled In

Stochastic Process: Enrolled In

SHARIF UNIVERSITY OF TECHNOLOGY
UNOFFICIAL TRANSCRIPT

ISSUED ON: 11-30-2024

NAME: MOHAMAD JAVAD AHMADPOUR
STUDENT ID: 400104697
NATIONAL CODE: 1274335299

DEGREE: B.Sc.
DEPARTMENT: COMPUTER ENG.
PROGRAM: COMPUTER ENGINEERING

COURSE NO	COURSE TITLE	UNIT	GRADE
	FALL SEM 2021-2022 (ONLINE)		
22-015	GEN MATH 1	4	19.5
24-011	PHYSICS 1	3	19.6
31-123	FOREIGN LANG	3	18.0
37-123	ISLAMIC ETHICS	2	19.8
40-108	COMPUTER WORKSHOP	1	20.0
40-153	INTRO PROGRAMMING	3	20.0
	SEMESTER UNITS, AVERAGE	16	19.40
	TOTAL UNITS GAINED, CUM AV	16	19.40
	SPRING SEM 2021-2022		
22-016	GEN MATH 2	4	20.0
24-002	PHYSICS LAB 2	1	18.5
24-012	PHYSICS 2	3	20.0
31-119	INTRO PERSIAN LITERATURE	3	20.0
40-115	DISCRETE STRUCTURES	3	18.6
40-212	LOGIC DESIGN	3	18.2
40-244	ADVANCED PROGRAMMING	3	20.0
	SEMESTER UNITS, AVERAGE	20	19.45
	TOTAL UNITS GAINED, CUM AV	36	19.42
	FALL SEM 2022-2023		
22-034	DIFF EQN	3	19.4
40-124	FUND ELEC&ELCTRNIC CIRCTS	3	20.0
40-126	COMPUTER STRUCT & LANG	3	19.9
40-181	ENG PROBABILITY & STAT	3	18.7
40-206	LOGIC DESIGN LAB	1	19.3
40-211	COMPUTER TECH ENGLISH	2	19.6
40-254	DATA STRUCT & ALGO	3	20.0
	SEMESTER UNITS, AVERAGE	18	19.58
	TOTAL UNITS GAINED, CUM AV	54	19.48
	SPRING SEM 2022-2023		
37-489	QURAN SUBJ INTERPRET	2	20.0
40-223	DIGITAL SYSTEMS DESIGN	3	20.0
40-282	LINEAR ALGEBRA	3	20.0
40-323	COMPUTER ARCHITECTURE	3	20.0
40-417	ARTIFICIAL INTELLIGENCE	3	20.0
40-419	WEB PROGRAMMING	3	W
	SEMESTER UNITS, AVERAGE	14	20.00
	TOTAL UNITS GAINED, CUM AV	68	19.59
	SUMMER 2022-2023		
40-103	CMPTR ARCHITECTURE LAB	1	19.9
40-203	DIGITAL SYS DESIGN LAB	1	20.0
	SEMESTER UNITS, AVERAGE	2	19.95
	TOTAL UNITS GAINED, CUM AV	70	19.60
	FALL SEM 2023-2024		
30-003	PHYSICAL EDUCATION	1	20.0
40-215	NUMERICAL COMPUTATION	3	20.0
40-221	TECHNICAL PRESENTATION	2	19.4
40-354	DESIGN OF ALGORITHMS	3	19.1
40-384	DATABASE DESIGN	3	20.0
40-415	THEORY OF MACH & LANG	3	20.0
40-477	MACHINE LEARNING	3	17.8

Abbr.
W: Withdraw
N: Not Available
P_EX: Excellent
P_VG: Very Good
P_GO: Good
P_MR: Minimal Requirement
+: Graduate Course

NOTES:
1. Numerical Grades Range from 0 to 20. Passing Grade is 10.
2. Average Department and University GPAs for this Class of Students are 17.96 and 15.86, Respectively.
3. Online Semesters are Due to COVID-19 Pandemic.

Auth Code
Expires: 12-2025

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DEGREE: B.Sc.
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COURSE NO	COURSE TITLE	UNIT	GRADE
	FALL SEM 2023-2024 (CONT.)		
	SEMESTER UNITS, AVERAGE	18	19.42
	TOTAL UNITS GAINED, CUM AV	88	19.56
	SPRING SEM 2023-2024		
37-445	ISLAMIC THOUGHT 1	2	20.0
40-324	ADV INFO RETRIEVAL	3	20.0
40-414	COMPILER DESIGN	3	w
40-418	SYSTEMS ANALYSIS & DESIGN	3	20.0
40-438	E-COMMERCE	3	19.6
40-456	GAME THEORY	3	20.0
40-634	COMPUTER SIMULATION	3	20.0
	SEMESTER UNITS, AVERAGE	17	19.93
	TOTAL UNITS GAINED, CUM AV	105	19.62
	SUMMER 2023-2024		
40-102	HARDWARE LAB	1	18.5
40-450	CMPTR ENG INTERNSHIP	0	P_EX
	SEMESTER UNITS, AVERAGE	1	18.50
	TOTAL UNITS GAINED, CUM AV	106	19.61
	FALL SEM 2024-2025		
25-120 +	COMM SP TOPICS	3	N
30-004	SPORT 1	1	N
33-018	GENERAL WORKSHOP	1	N
37-622	THE HISTORY OF IMAMAT	2	N
40-424	OPERATING SYSTEMS	3	N
40-453	REAL TIME SYSTEMS	3	N
40-695 +	STOCHASTIC PROCESSES	3	N
	SEMESTER UNITS, AVERAGE	16	--
	TOTAL UNITS GAINED, CUM AV	106	19.61

NO ENTRY BELOW THIS LINE

FOR ABBREVIATIONS REFER TO THE FIRST PAGE