SEPEHR NOEY

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EDUCATION

Amirkabir University of Technology, Tehran *Sep. 2020 - Present*
Bachelor of Computer Engineering Overall GPA: 3.86

CAREER OBJECTIVE

Hardworking and highly motivated College Student in Computer Engineering field at AUT with some out-of college experience in ML and DL, seeking for opportunities to improve my skills in Machine Learning.

RESEARCH INTERESTS

- Artificial Intelligence and Machine Learning
- Artificial Neural Networks and Deep Learning
- Natural Language Processing
- Image Processing
- Algorithms and Theoretical Computer Science
- Software and Service Engineering

EDUCATIONAL PROJECTS

Lights Out Puzzle and Histogram Matcher
This project uses some concepts of Linear Algebra to solve related problems. It's written in Python and some used libraries are Numpy, Pillow, CV2, etc. Link: *Linear-Algebra-Final-Project*

AI-Pacman
In this project we aim to use AI methods for making more intelligent agents. Concepts used in this project include search algorithms, CSPs, MDP, Reinforcement Learning, etc. Link: *Principles-And-Applications-of-AI*

Tanks-Game
It's a game that simulates a simple 2D tanks' war. Backend is written in Java and The graphics are implemented with JavaFX. MySql database is also used as storage. Link: *Clash-Royale*

Mafia-Game
In this project, the popular game 'Mafia' is implemented in Java. The Client-Server network is created with help of Java Socket Programming. Link: *Mafia-Game*

WORK EXPERIENCE

AI-Medic Co. , Tehran, Iran Jun. 2022 - Sep. 2022
Artificial Intelligence Intern

- Interns at this position participated in some entry-level courses for learning ML and DL and they were also asked to implement some of these methods to achieve better predictions and solutions for medical purposes.
- In each project, Interns were required to implement an ML/DL method process to achieve the goal. This include doing some tasks on datasets like preprocessing, feature extraction, model training, validation and prediction. Scikit-Learn was the main library used in these projects.

Amirkabir University of Technology, Tehran, Iran Feb. 2023 - Present

Applied Linear Algebra Teaching Assistant

· TAs were responsible for designing projects and assignments, and creating eduacational contents for students.

· Under supervision of Prof. Maryam Amirmazlaghani

Amirkabir University of Technology, Tehran, Iran Feb. 2022 - Jan. 2023

Advanced Programming Teaching Assistant

· TAs were responsible for designing projects and assignments, holding troubleshooting classes and etc. for boosting the overall learning of students in this course.

· Under supervision of Dr. Kalbasi and Dr. Roostaei

Amirkabir University of Technology, Tehran, Iran Feb. 2022 - Jun. 2022

Fundamentals of Computer Programming Teaching Assistant

· TAs were responsible for designing projects, assignments, troubleshooting classes and etc. for boosting the overall learning of students in this course.

· Under supervision of Dr. Alvani

LANGUAGES

English B2

Persian Native Speaker

TECHNICAL STRENGTHS

Programming Languages Python, Java, C

Database Management Systems MySql, SQL

Version Control Git, Github

REFERENCES

Dr. Hamed Farbeh CE Professor at AUT

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