

SEPEHR NOEY

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EDUCATION

Amirkabir University of Technology, Tehran
Bachelor of Computer Engineering

Sep. 2020 - Present
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
Artificial Intelligence Intern

Jun. 2022 - Sep. 2022

- 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 educational contents for students.
- Under supervision of Prof. Maryam Amirmazlaghani

Amirkabir University of Technology, Tehran, Iran

Feb. 2023 - Present

Microprocessors and Assembly Language Teaching Assistant

- TAs were responsible for designing projects and assignments for students.
- Under supervision of Prof. Hamed Farbeh

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

COURSES

Supervised Machine Learning: Regression and Classification

Feb. 2023 - Mar. 2023

- First course of Machine Learning Specialization at coursera.org instructed by Andrew Ng. Some covered concepts are Linear Regression, Binary Classification, Regularization and Normalization methods.
- Earned certificate is available at *coursera.org*.

Advanced Learning Algorithms

Feb. 2023 - Present

- Second course of Machine Learning Specialization at coursera.org instructed by Andrew Ng. Some covered concepts are Artificial Neural Networks, Decision Trees, Ensemble methods and etc.

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

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