

Helia Hashemipour

 [github](#) |  [Linkedin](#) |  [Email](#) | [Website](#)

RESEARCH INTERESTS

- Medical Image Analysis
- Data Science
- Computer Vision
- Machine Learning
- Deep Learning
- Cloud Computing

EDUCATION

AmirKabir University of Technology, B.S. in Computer Engineering. 2019 - present

GPA: **3.8/4 (17.6/20.0)**

Major related courses:

- Advanced Programming: 20/20
- Algorithm Design: 19.25/20
- Data Structures and Algorithms: 19/20
- Engineering Statistics: 19/20
- Applied Linear Algebra: 18.8/20
- Principles and Applications of Artificial Intelligence: 18.5/20

TEACHING ASSISTANT EXPERIENCE

Teaching Assistant, Advanced Programming January 2021 - June 2021
- Under supervision of Dr. E. Edalat[\[link\]](#)

Teaching Assistant, Data Structure and Algorithms September 2021 - January 2022
- Under supervision of Dr. A. Bagheri[\[link\]](#)

Teaching Assistant, Data Structure and Algorithms January 2021 - June 2021
- Under supervision of Dr. S. Shahrreza[\[link\]](#)

Teaching Assistant, Micro Processor and Assembly September 2022 - January 2022
- Under supervision of Dr. H. Farbeh[\[link\]](#)

Teaching Assistant, Design Algorithm January 2023 - June 2023
- Under supervision of Dr. S. Shahrreza[\[link\]](#)

Teaching Assistant, Machine Learning at hermes Capital[\[link\]](#) January 2022 - September 2023
- Under supervision of Mr. K. Bagha[\[link\]](#)

WORK EXPERIENCE

Tiva Innovative Solution[\[link\]](#) June 2023 - present
- Data Scientist Tehran - Vancouver

I specialize as a data scientist, focusing on Canada's trade data within the Touba platform [\[link\]](#).

HONORS AND AWARDS

Ranked 1st Place in Iran Robocamp(FIRA CUP) in the field of transporting robots March 2018

Issued by Jacky Baltes[\[link\]](#)

NOTABLE PROJECTS

CIFAR-10

Description: Deep Learning task for CIFAR-10 dataset.

Languages Used: Python

Link: [CIFAR-10](#)

Parkinson-Detection

Description: Use ML Algorithms to identify Parkinson disease.

Languages Used: Python

Link: [Parkinson-Detection](#)

Name Gender Detection

Description: Use LSTM-based neural networks to identify gender from names.

Languages Used: PyTorch

Link: [Name-Gender-Detection](#)

Financial Forecast

Description: Analysis and predict of Financial Market.

Languages Used: Python, Scikit-learn

Link: [Financial-Forecast](#)

Sentiment Analysis

Description: Automatically detect whether the comment text contains positive or negative emotions (or some neutral) by extracting meaningful information from the text.

Languages Used: Python, Scikit-learn

Link: [Sentiment-Analysis](#)

Recommendation System

Description: Implement a recommendation system based on user-user collaborative filtering approach.

Link: [Recommendation-System](#)

SKILLS

Programming: Python, Java, C

ML frameworks: PyTorch, TensorFlow

DevOps: Docker, Kubernetes

Data analysis: MySQL, Excel, R

Web development: HTML5, CSS, JavaScript, Flask

LANGUAGES

- Persian (native speaker)

- English (fairly fluent)

CERTIFICATIONS

Machine Learning Specialization, Coursera

- SKILLS: Machine Learning

Deep Learning specialization AI, Coursera

- SKILLS: Deep Learning

SQL, 365 Data Science

- SKILLS: MySQL

Linear Algebra and Feature Selection, 365 Data Science

- SKILLS: Linear Algebra

AI and Python Boot camp, Hamrah Academy

- SKILLS: NLP, Vision, PyTorch, TensorFlow, Python