Helia Hashemipour

github | linkedin | email | website

Interests

- Medical Image Analysis
- Data Science
- Computer Vision
- Machine Learning
- Deep Learning
- Research

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 June 2023 - present

- Data Scientist

I specialize as a data scientist, focusing on Canada's trade data within the Touba platform [link]. My role involves meticulously applying a diverse range of time series models to optimize predictive accuracy, backed by extensive research to refine and enhance the process.

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: TetherToman-Market 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

Honors and Awards

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

Issued by Jacky Baltes[link]