

Education

B.Sc in Computer Engineering

2018–Now

GPA: 15.70/20

Isfahan University of Technology

Isfahan, IR

High School Diploma at National Organization for Development of Exceptional Talents

2014–2018

GPA: 19.1/20

NODET

Tehran, IR

Experience

Isfahan University of Technology - Bachelor's Project

2022, April–Now

Isfahan, IR

Research Assistant

I am working on utilizing Deep RL techniques for CPU and memory resource management and job scheduling. So far, we've implemented a simple environment with two resources, e.g., CPU and memory, to schedule non-preemptive jobs. The agent can schedule one job at a time using PPO(Proximal Policy Optimization) as the learning algorithm.

My project is under the supervision of Professor Heidarpour.

Isfahan University of Technology - Deep Learning Lab

2022, July–2022, September

Isfahan, IR

Intern

I work on the infrastructure bring-up for students to utilize PyTorch and TensorBoard for conducting DL projects in the domains of face recognition and verification, GAN, and NLP.

Freelance - Cardano Stake pool

2021

Tehran, IR

Freelance

I deployed a Cardano stake pool using two relay nodes (servers) and one core node on ubuntu 18.04 servers, secured the core node from intruders, and configured ports on the core node so that it would only communicate to the relay nodes.

Isfahan University of Technology - Teaching Assistant

2020

Isfahan, IR

Advanced Programming and Compiler Design.

Projects

DCGAN Using PyTorch

2022

Implementation of the Deep Convolutional GAN model using PyTorch on Celeba dataset and visualizing models and Losses with TensorBoard.

Breast Cancer Classification

2022

Final Data Mining project aimed to implement different ML and DL models to classify patients using their features. MLP, Decision Tree, and Random Forest are some models used to classify patients in this project.

Packet Sniffer and Port Scanner

2022

Implementation of a simple Wireshark using python. The program can check open ports of destination IP addresses and sniff packets, showing details of each packet on the terminal.

Qualifications

- Proficient in multiple coding platforms: **Python**, C, C++.
- Experienced with **TensorBoard** and **PyTorch** Deep Learning framework.
- Familiar with multiple python modules such as **numpy**, **scipy**, **opencv**, **matplotlib**, **pandas**, **pillow**, ...
- Experienced with version management tool: **Git**.
- Motivated to learn and grow in Machine Learning and Reinforcement Learning.
- Familiar with network protocols such as TCP/IP, UDP, Ethernet/IP, ARP.
- Thrive in a team environment and work well with others.

Skills

Python



C/C++



JavaScript/Matlab



SQL



Strengths

Teamwork

Time management

Problem solving

Machine Learning

Deep Learning & AI

Courses

Reinforcement Learning in Python

Aug. 2022

Udemy

Convolutional Neural Networks

Jan. 2022

Coursera-deeplearning.ai

Structuring Machine Learning Projects

Dec. 2021

Coursera-deeplearning.ai

Improving DNNs: Hyperparameter tuning, Regularization and Optimization

Nov. 2021

Coursera-deeplearning.ai

Neural Networks and Deep Learning

Oct. 2021

Coursera-deeplearning.ai

Machine Learning

Feb. 2020

Coursera-Stanford University

Awards

Ranked 2nd at Local ACM Contest

Feb. 2019, Isfahan University of Technology

Ranked among top 1% at Iranian University Entrance Exam

Aug. 2018