Alireza Ghorbani Badi

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Education

2018 – 2023   **Bachelor of Science in Computer Engineering**

Isfahan University of Technology (IUT), Isfahan, Iran

GPA :   16.94/20

CGPA :   3.65/4

B.Sc. thesis title : Domain Adaptation techniques in Image Classification

Research Interests

- Deep Learning
- Natural Language Processing
- Data Science
- Machine Learning
- Computer Vision
- Cloud Computing

Selected Courses

- Machine Learning (18.6/20)
- Data Structure (18.1/20)
- Microprocessor (18.88/20)
- Computer Networks (19.06/20)
- Operating Systems (17.7/20)
- Software Engineering (18.66/20)
- Cloud Computing (17.8/20)
- Secure Computing (19.07/20)

Language Scores

TOEFL iBT : 98 (Reading: 24, Listening: 27, Speaking: 24, Writing: 23)

GRE : 315 (Quantitative Reasoning: 161, Verbal Reasoning: 154, Writing: 3)

Experience

Sep.2020 – June.2021   **Teaching Assistantship**, *C/C++ Programming Lab*

- Assisted Dr.Sayed Jalal Zahabi in delivering course material in the Basic Programming Lab by providing Q/A sessions
- Designed programming assignments that promoted creativity and collaboration among students.

Summer 2022   **Web Developer Intern**, *IUT IT center*

- Gained experience in front-end development using React.js and HTML/CSS, and created APIs with Node.js in back-end
- Developed a MERN full-stack web application by integrating front-end, back-end, and database interactions

Honors & Awards

2018 - 2023	Ranked within the top 12.5% of my undergraduate class
Feb. 2019	Achieved the 5th position out of over 100 students in IUT Programming Contest
July 2018	Ranked within the top 1% among more than 150,000 participants in the Iranian University Entrance Exam.

Academic Projects

Fall 2022	Domain Adaptation in Image Classification Problem, *B.Sc. Final Project*
Fall 2022	Detecting Vehicles in Aerial Imagery, *Machine Learning Fundamentals*
Spring 2022	Deep Reinforcement Learning Model for Stock Market Trading, *IT Fundamentals*
Fall 2021	Adding New Module into Linux Kernel, *Operating System*
Fall 2020	Network Packet Sniffer and Port Scanner with Python, *Computer Networks*
Spring 2019	Windows Application with C++ QT Framework, *Advanced Programming*

Skills

ML packages	Numpy, Pandas, Matplotlib, Scikit-learn, Pytorch, Tensorflow
Programming Languages	Python, C/C++, JavaScript
Deep Learning	CNN, RNN, Transformers
Other	SQL, Docker, Git, Linux, Latex, HTML/CSS

Certificates

o Convolutions Neural Networks

o Neural Networks and Deep Learning

o Sequence Models

o Structuring Machine Learning Projects

o Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

References

Dr. Mehran Safayani
Associate Professor, Department of Electrical & Computer Engineering
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