Pooria Lakzian

Personal Details

Birth	2002 March 22
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Education

B.Sc., Computer Science   2020-2024

Iran University of Science and Technology (IUST)

GPA: 3.5 (16.10/20)

Dip., Mathematics and Physics   2014-2020

National Organization for Development of Exceptional Talents (Sampad)

Research Interest

- Machine Learning
- ML-assisted Cybersecurity
- System and Network Security
- Computer Vision
- Program Analysis
- LLMs and VLMs

Publication

- Mohammadhadi Alaeiyan, **Pooria Lakzian**. "Malware Detection via Memory Dumps: Investigating the Role of Uneven Kernel Filters in CNNs with Visual Explainability". Manuscript under review

Research Experience

Research Assistant   2023-2024

DL-based Malware Detection: We proposed a deep-learning approach to detect and classify malware images created from memory dumps of PE files with visual explanability. We also gathered a malware image dataset from memory dumps and made it publicly available for the researchers to evaluate their vision-based methods.

Advisor: Dr. Mohammadhadi Alaeiyan

Teaching Experience

Teaching Assistant

Data Structure and Algorithms	Fall 2022
Linear Algebra	Spring 2023

Test Scores

Exams	Scores	Overall
IELTS (Taken on 09/09/2024)	L:8.0, R:8.5, W:6.5, S:7	7.5

Specialized Software Skills

Programming Languages:

Python, R, C++, JavaScript, SQL, HTML, CSS, LaTeX

Frameworks and Libraries:

TensorFlow, Keras, PyTorch, Scikit-Learn, pandas, Matplotlib, NumPy, Django

Honors and Awards

- Ranked among the top 1% of the national university entrance exam, Iran   2020

- Finalist in Startup contest at Azad University of Neyshaboor: Built a Web application for selling second-hand goods.   2021

Selected Courses

- Fundamentals of Programming: 4/4
- Advanced Programming: 4/4
- Data Structures and Algorithms: 4/4
- Design and Analysis of Algorithms: 4/4
- Principles of Operating Systems: 4/4
- Principles of Software Design: 4/4
- Database Design: 4/4
- Principles of Computer Networks: 4/4
- Data Mining: 4/4
- Artificial Intelligence: 3/4