

Ramtin Moslemi



SUMMARY

Highly motivated researcher with a strong foundation in *Artificial Intelligence* and *Machine Learning*, eager to apply theoretical knowledge to practical challenges. My main focus lies in *Reinforcement Learning*, with a commitment to addressing key issues in *Adversarial Robustness* to build more secure and *Trustworthy AI* systems. I am also deeply interested in *Geometric Deep Learning*, and the broad applications of *Generative AI*.

RESEARCH INTERESTS

- Reinforcement Learning
- Adversarial Robustness
- Geometric Deep Learning
- Generative Models

EDUCATION

SHARIF UNIVERSITY OF TECHNOLOGY

2020-present

B.S. IN COMPUTER ENGINEERING

- Thesis: *Transferring Distributional Robustness in Knowledge Distillation*
- Courses: *Artificial Intelligence* | *Machine Learning* | *Game Theory* | *3D Computer Vision* | *Security & Privacy in ML*

EXPERIENCE

SHARIF UNIVERSITY OF TECHNOLOGY

2023-present

RESEARCH ASSISTANT AT ROBUST AND INTERPRETABLE MACHINE LEARNING LAB

- Worked on adversarial robust learning and its generalization issues under the supervision of [Dr. Rohban](#).

RESEARCH ASSISTANT AT MACHINE LEARNING LABORATORY

- Worked on music generation under the supervision of [Dr. Soleymani](#) & [Dr. Javidpour](#).

RESEARCH ASSISTANT AT SHARIF CENTER FOR INFORMATION SYSTEMS AND DATA SCIENCE

- Worked on anomaly detection and federated learning under the supervision of [Dr. Khalaj](#) & [Dr. Ahmadi](#).

TEACHING ASSISTANT AT THE DEPARTMENT OF COMPUTER ENGINEERING

- Graduate: *Deep Learning* | *Reinforcement Learning* | *Security & Privacy in ML* | *Advanced 3D Computer Vision*
- Undergraduate: *Machine Learning* (x3) | *Artificial Intelligence* | *Probability & Statistics* (x3) | *Linear Algebra*

TEACHING ASSISTANT AT THE DEPARTMENT OF COMPUTER SCIENCE

- Graduate: *Generative Models* | *Machine Learning Theory*

TEACHING ASSISTANT AT THE DEPARTMENT OF ELECTRICAL ENGINEERING

- Graduate: *Deep Generative Models*

SKILLS

PROGRAMMING LANGUAGES	Experienced: Python C C++ SQL Java Familiar: R Matlab C#
FRAMEWORKS & LIBRARIES	Deep Learning: PyTorch TensorFlow Keras JAX Vision: OpenCV YOLO
SOFTWARE ENGINEERING	Object Oriented Design Microservice Architecture Agile Development
TOOLS AND TECHNOLOGIES	DevOps: Docker Kubernetes Git Prometheus Grafana MLOps: MLFlow TFX
OTHER SKILLS	Linux Bash \LaTeX Web Scraping Teaching Presentation Teamwork
LANGUAGES	Native: Persian Fluent: English Intermediate: Spanish