





Mohammad Reza Ghasemi Madani

Master of Science in Artificial Intelligence
Computer Science and Engineering – University of Bologna

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 [GitHub](#)
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EDUCATION

University of Bologna, Bologna, Italy

Master of Science in Artificial Intelligence – GPA: 27.92/30

9/2021 - 2/2024

Iran University of Science and Technology, Tehran, Iran

Bachelor of Science in Electrical Engineering, Electronics – GPA:16.53/20

9/2016 – 3/2021

RESEARCH AND WORK EXPERIENCE

University of Edinburgh

- Winner of the “*Thesis Abroad*” scholarship, a competitive program to conduct a thesis in top universities.
- Subject: Developing Machine Reasoning Models and Comparing to Humans in NLP Tasks.

12/2022 - 7/2023

Moj Pardaz - Software Engineer

- Advanced C programming for embedded systems and Python programming for algorithm implementation.

3/2020 - 8/2021

Moj Pardaz - Internship

- Implementing system algorithms in VHDL for FPGA.

9/2019 – 3/2020

Iran University of Science and Technology

- Undergraduate researcher at Digital Signal Processing Lab
- Applications of Machine Learning and Evolutionary Algorithm in GPS signal processing.

6/2019 – 9/2020

Ehsan High School

- Mathematics teaching assistant. Providing study plans, teaching mathematics, and taking exams.

9/2016 – 6/2017

PUBLICATIONS

- **M. R. Ghasemi** and P. Minervini, “*REFER: An End-to-end Rationale Extraction Framework for Explanation Regularization*”, The 26th Conference on Computational Natural Language Learning (**CoNLL 2023**). [[pdf](#)]
- **M. R. Ghasemi**, S. Tohidi, and M. R. Mosavi, “*GNSS Interference Classification using Multi-Layer Perceptron Neural Network Trained by AGPSO*”, The 19th International Conference of Iranian Aerospace Society, Iran, 18-20 May 2021. [[pdf](#)]
- **M. R. Ghasemi**, S. Tohidi, M. R. Mosavi, “*Smarting GPS Tracking Loop Using Neural Networks*”, 5th International Conference on Combinatorics, Cryptography, Computer Science and Computing, Iran, 20-21 Feb 2021 (in Farsi).

COMPUTER SKILLS

IDEs/Tools

PyCharm
VSCode
Git

Programming/Scripting

Python (TensorFlow, PyTorch, PyQt)
C/C++

LANGUAGE SKILLS

Farsi

Native

English

Fluent - IELTS: 7

Italian

A1