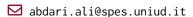
Ali Abdari









Education

2023 – present

Ph.D. Student, University of Naples Federico II, University of Udine, Italy Arti-

ficial Intelligence.

Area: Complex 3D Scene and Metaverse Retrieval

Supervisor: Prof. Giuseppe Serra

2016 - 2019

M.Sc. Kharazmi University, Iran Computer Science.

Thesis title: Action Recognition in Compressed Video.

Supervisor: Prof. Azadeh Mansouri

GPA: 18.34/20

2012 - 2016

B.Sc. Kharazmi University, Iran Computer Engineering.

Thesis title: Reporting Financial affairs using Business Intelligence.

Supervisor: Prof. Zahra Nilfroushan

GPA: 16.98/20

Main Publications (Google Scholar)

Conference Proceedings

- A. Abdari, A. Falcon, and G. Serra, "A language-based solution to enable metaverse retrieval," in *International Conference on Multimedia Modeling*, Springer, 2024, pp. 477–488.
- A. Abdari, A. Falcon, and G. Serra, "Farmare: A furniture-aware multi-task methodology for recommending apartments based on the user interests," in *Proceedings of the IEEE/CVF International Conference on Computer Vision*, 2023, pp. 4293–4303.
- A. Abdari, A. Falcon, and G. Serra, "Metaverse retrieval: Finding the best metaverse environment via language," in *Proceedings of the 1st International Workshop on Deep Multimodal Learning for Information Retrieval*, 2023, pp. 1–9.
- A. Abdari, H. Mohammadzade, and S. A. Hashemian, "Trajectory clustering in surveillance videos using dynamic time warping," in 2021 7th International Conference on Signal Processing and Intelligent Systems (ICSPIS), IEEE, 2021, pp. 1–5.
- N. Honarjoo, A. Abdari, and A. Mansouri, "Violence detection using pre-trained models," in 2021 5th International Conference on Pattern Recognition and Image Analysis (IPRIA), IEEE, 2021, pp. 1–4.
- A. Abdari, P. Amirjan, and A. Mansouri, "Action recognition in compressed domain using residual information," in 2019 4th International Conference on Pattern Recognition and Image Analysis (IPRIA), IEEE, 2019, pp. 130–134.

Journal Articles

- N. Honarjoo, A. Abdari, and A. Mansouri, "Violence detection in compressed video," *Multimedia Tools and Applications*, pp. 1–14, 2024. OURL: https://link.springer.com/article/10.1007/s11042-024-19478-0.
- A. Abdari, P. Amirjan, and A. Mansouri, "Speeding up action recognition using dynamic accumulation of residuals in compressed domain," arXiv preprint arXiv:2209.14757, 2022.

Academic Activities and Achievements

- - Organizing Metaverse Apartment Retrieval Challenge at CV4Metaverse Workshop at ECCV 2024, Milan, Italy
 - ICVSS 2024 Summer School on Computer Vision in the Age of Large Language Models, Sicily, Italy
- ELLIS Summer School on Large-Scale AI for Research and Industry, Modena, Italy
- Got selected among the first four talented students to start the Master's program without any entrance exam

Professional and Academic Experiences

2023 - 2024	Teacher Assistant of Deep Learning, University of Udine.
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- 2021 2023 Computer Vision and Machine Learning Researcher Kharazmi University and Caica Company.
- 2019 2021 Computer Vision Engineer Iran's National Elites Foundation.
- 2017 2018 **Python Developer** Vestaak

Miscellaneous

- **Teacher Assistant** of Digital Image Processing, Artificial Neural Network, Kharazmi University.
- **Teacher Assistant** of Data structure, Automata theory, Design and Analysis of Algorithms, Introduction to Programming and Advanced Programming, Kharazmi University.

Skills

Languages	English(Fluent, 7.	5 IELTS band score)	. Italian (Pre B2)). Persian(Native).

Coding Python, C++, C, MATLAB, R, Java, PHP, C Sharp, SQL, LTFX, Julia

Databases Mysql, SQL Server, sqlite, MongoDB.

Web Dev Нтмь, css, JavaScript, Bootstrap.

ML/DL Frameworks PyTorch, Keras, HuggingFace, OpenCV, Dlib, MediaPipe, NumPy, Pandas, Mat-PlotLib, and SciKit-Learn.

Projects

Cross Modal Processing 📕 3D scene Retrieval, Contrastive Learning

Video Processing Action Recognition in raw and compressed video, Primates Behaviour Analysis, Traffic Video Analysis, Video Synopsis, Multi-Object Tracking

in surveillance videos, Fatigue Detection using eye features

> > EEG Signal Analysis, Risk assessment in autonomous vehicles, Vehicle position prediction using neural networks, Web Crawling to collect dataset

References

- **Prof. Giuseppe Serra**, Associate Professor at University of Udine, Udine, Italy, email: giuseppe.serra@uniud.it
- **Prof. Azadeh Mansouri**, Assistant Professor at the Department of Electrical and Computer Engineering at Kharazmi University, Tehran, Iran, email: a_mansouri@khu.ac.ir