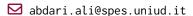
Ali Abdari









Education

2023 – present

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

ficial Intelligence.

Area: 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)

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. Falcon, B. Portelli, A. Abdari, and G. Serra, "Paving the way for personalized museums tours in the metaverse," 2024.

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, P. Amirjan, and A. Mansouri, "Speeding up action recognition using dynamic accumulation of residuals in compressed domain," 2022.

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.

7 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.

Other Experiences and Achievements

2024 Organizing CV4Metaverse Workshop at ECCV 2024, Milan, Italy

ICVSS Summer School on Computer Vision in the Age of Large Language Models, Sicily, Italy

2023 ELLIS Summer School on Large-Scale AI for Research and Industry, Modena, Italy

Other Experiences and Achievements (continued)

Got selected among the first four talented students to start the Master's program without any entrance exam

Professional and Academic Experience

2023 - 2024	Teacher Assistant of Deep Learning, University of Udine
202) 2024	reaction resolution of Deep Bearining, Chryciste, of Came

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

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

Natural Language Processing Text Summarization and text Paraphrase using LLMs

Image Processing OCR, Water Marking, Segmentation, Classification

Miscellaneous 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