



Ehsan Mokhtari

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Date of birth: 22/06/1997

EDUCATION AND TRAINING

[10/2023 – Current]

M.Sc. of Data Science

University of Sapienza <https://www.uniroma1.it/it>

City: Rome

Country: Italy

[2016 – 2021]

B.Sc. of Computer Engineering

University of Tabriz <https://www.tabrizu.ac.ir/>

Address: 29 Bahman Blvd, 5166616471, Tabriz, Iran

WORK EXPERIENCE

[10/2020 – 12/2020]

Software Engineer Internship

Rural Cooperatives Organization of Iran <https://www.corc.ir/>

City: Marand

Country: Iran

Gaining experience in software development, hardware integration and troubleshooting, which resulted in enhancing my technical skills in real-world projects and teamwork.

PUBLICATIONS

[2020]

[Color Image Encryption Algorithm Based on Three-Dimensional Chaotic Economic Map](#)

Reference: Dr. Mohammad Asadpour, Ehsan Mokhtari

5th international conference on applied research in computer, electrical and information technology / Avicenna international community college LLC, Georgia

DIGITAL SKILLS

Programming Languages (Python, R, C/C++) | Data Analysis & Manipulation (SQL, Numpy, Pandas) | Data Visualization (Matplotlib, Seaborn) | Machine Learning Frameworks (Scikit-learn, TensorFlow, Keras, PyTorch) | Deep Learning & Neural Networks | Database Management Systems (PostgreSQL, MongoDB) | Image Processing (OpenCV) | Natural Language Processing (NLTK) | Operating Systems (Linux, Windows) | Version Control (Git) | Project Management Tools (Trello) | Microsoft Office

PROJECTS

[12/2023 – 01/2024]

Graph Analysis

Analyzing academic paper datasets, constructing citation and collaboration graphs; then focusing on the most connected component (top 10,000 papers with the highest citations); and finally dividing the analysis into Backend and Frontend components for extracting insights.

Link: https://github.com/sherlannn/Sapienza_Universita_di_Roma/tree/main/ADM/ADM_HW5

[12/2023 – 12/2023]

Building ML model to predict shot success in the Kobe Bryant shot selection dataset using various algorithms.

This project employs machine learning algorithms to predict Kobe Bryant's shot success in the NBA, covering data preprocessing, EDA, feature engineering, and algorithm implementation, with a final step exploring a voting ensemble for enhanced accuracy.

Link: https://github.com/sherlannn/Data_Science/tree/main/Kobe_Bryant_Shot_Selection

[12/2023 – 12/2023]

Recommendation system on "Netflix audience behaviour - UK movies" dataset

Implementing our version of the LSH algorithm, which will take as input the user's preferred genre of movies, find the most similar users to this user, and recommend the most watched movies by those who are more similar to the user.

Link: https://github.com/sherlannn/Sapienza_Universita_di_Roma/tree/main/ADM/ADM_HW4

[2022] **Building different NN models to predict cryptocurrency price**

Applied API data to forecast cryptocurrency prices through diverse neural networks.

Link: https://github.com/sherlannn/Data_Science/tree/main/Cryptocurrencies_Price_Prediction

[2021] **Real-time Face Detection and Recognition, Mask detection, Digit Detection**

Developing real-time computer-vision programs for face recognition, digits and covid-19 mask detection using Machine-learning and Image-processing.

Link: https://github.com/sherlannn/Computer_Vision

CERTIFICATES AND COURSES

Data Scientist with Python / Machine Learning Scientist with Python / Advanced Deep Learning in Python / Data Analysis and Visualization with Python / Image Processing with Keras and OpenCV / Advanced SQL for Data Science

Scientific Computing with Python / Natural Language Processing and Feature Engineering for NLP in Python / Essential Math and Applied Algorithms for Machine Learning

COMMUNICATION AND INTERPERSONAL SKILLS

Capable of both teamwork and individual-work / Strong communication and collaboration skills / High responsibility / Problem-solving / Leadership / Flexibility