

BAMDAD KIANMEHR

Address:

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SUMMARY

As an A.I and Robotics Engineer I've been working on various Machine Learning projects. currently, I'm a data analyst at Sapienza University's Neuroimaging Lab, where I'm developing a patient database platform and handling data preparation and analytics. I am quite enthusiastic about data analysis, machine learning, and computer vision. I am renowned as a dynamic and creative engineer who works well with others. I am exceptional at explaining technical concepts to non-specialists, and I am constantly willing to learn and keep my knowledge up to date.

WORK EXPERIENCE

Data Analyst, Neuro Imaging Lab Sapienza, Rome, Italy **Feb 2024 - Present**

- Analyse, clean, and prepare the patient's clinical and demographics data for transfer from the old database to XNAT
- Creating pipelines for MRI image auto/manual QC, MRI image analysis
- Present the analytics result to the team

Data Analyst Internship, Neuro Imaging Lab Sapienza, Rome, Italy **Sep 2023 - Jan 2024**

- Understanding the DICOM image format and DICOM headers
- Understanding of the Nifiti and BIDS image formats
- Getting to know about XNAT, data types, plugins, and MRI image analysis with XNAT

Mechatronics Engineer, Micro Tarash Dana, Tehran, Iran **July 2017- July 2019**

- Collaborate with people from various backgrounds to promote
- Designer and Executor of Mechatronics System
- Responsible for implementing the integration of electronic components, ensuring compatibility and performance

EDUCATION

M.Sc. in Artificial Intelligence and Robotics **Sep 2019 - Present**

Sapienza University of Rome

B.Sc. in Robotics Engineering **Feb 2014 - Jan 2019**

Azad University

- Bachelor's Project: Design and Construction of Height-Adjustable Conveyor for Transfer of Laboratory Pallets

PROJECTS

AI solution for a specific skin disease based on deep learning algorithms: **2023 - Present**

- This project is about identifying the PASI score, an index used to measure the severity and extent of psoriasis.
- Using a diverse number of deep learning algorithms for analyzing the images.

Invention of Liquid Methadone Vending Machine: **2017-2018**

- For the treatment of drug addiction, preventing the spread of other diseases, Such as Hepatitis, etc.,
 - Using a variety of mechanical, electrical, and programming skills to manufacture a Mechatronics system
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ADDITIONAL INFORMATION

Technical Skills:

- Python, data visualization with python(Matplotlib, seaborn), data analytics with python(NumPy, Pandas), Machine learning with Python(Scikit-learn), Deep learning with python(Pytorch)

Languages:

- English, Italian, Persian

Certifications:

- Python for data science, Pandas and NumPy, Data visualization Fundamentals course

Honors and Awards:

- Honored by The Rector of the Azad University of Najafabad for the Liquid Methadone Vending Machine Invention
- Interview with official broadcast of Iran regarding invention of methadone vending machine (English subtitle is included): www.youtube.com/watch?v=ynvJpiNXJ9U