Mohamad Parichehreh

Data Scientist & ML Developer

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Highlights

- Skilled Data Scientist and ML developer having 3+ years of experience in designing and developing end-to-end ML and data pipelines.
- Demonstrated strong teamwork, representation, and leadership by collaborating with diverse indivisuals, eagerly tackling new challenges and adapting flexibly to evolving project demands.

Experience

Software Technician and Database Manager, Ministry of Education – Behshahr, IR   Sep. 2020 – Jan. 2021

- supporting and enhancing the technological infrastructure and data management systems critical to the educational sector.

Education

Master of Science   Oct. 2023 – Present

- Polytechnic University of Turin, Italy - Polito (website)
- Data Science and Engineering

Bachelor of Science   Sep. 2017 – Feb. 2022

- University of Science and Technology of Mazandaran, Iran - Mazust (website)
- Computer Engineering, Software

Relevant Projects

American College Admissions Analysis   datamining-college.git

- Developed and optimized statistical machine learning models to predict future college admissions, using R scripting language

Sentiment Analysis   sentiment-analysis.git

- Applied machine learning algorithms for sentiment analysis of tweets, utilizing various classification models and feature extraction techniques, particularly highlighting the effectiveness of Logistic Regression with TF-IDF. The study aimed to help businesses analyze user sentiments and make informed decisions based on social media interactions.

Patient Survival   patient-survival.git

- Developed a machine learning model to predict the survival of critically ill patients. The model aims to assist healthcare providers in making informed decisions regarding patient management.

Particle Coordinates Analysis   particle-coordinates.git

- Implemented an efficient method for accurately predicting two-dimensional spatial coordinates (X, Y) of particles based on signal features extracted from detector pads

Technical and Soft Skills

Languages: Python, R, Java, C++, SQL, JavaScript, HTML/CSS

NLP: NLTK, Spacy, Gensim, Hugging Face, Stanza

Databases: MySQL, MongoDB, Microsoft SQL Server, SQLite

Libraries: Sklearn, Keras, Pytorch, PySpark, Tensorflow, Pandas, Numpy

Visualizations: matplotlib, Plotly, ggplot2, Tableau, Microsoft Power BI, LIME, Streamlit

Tools and Frameworks: Hadoop, Spark, Azure ML Studio, Linux, Git, Google Earth Engine, Google Street View

Soft Skills: Teamwork, Leadership, Communication, Work Ethic, Time Management, Creativity

Community Engagement

Participant, Platforma Integracji Młodzieży – Poronin, Poland   Nov. 2024
- acquiring knowledge and practical skills in an engaging and inspiring way to achieve a healthier work-life balance and Taking care of our mental and physical health and utilizing diverse strategies for dealing with stress and overload

Participant, Vakıf Ay Derneği – Kocheali, Turkiye   Dec. 2024
- Through workshops, discussions, and cultural exchange, it equiped youth with skills in disaster preparedness, response, and resilience, fostering proactive leadership in reducing disaster risks and building stronger communities.