

Marcos Cedenilla

Data Scientist

PROFESSIONAL RESUME

Data Scientist | AI Engineer with one year of experience in R&D, specializing in anomaly detection and synthetic data generation. Proficient in PyTorch, TensorFlow, SQL, NoSQL, and PySpark for model development and large-scale data processing. Focused on creating innovative solutions for research and development with a commitment to continuous improvement.

SKILLS

Python

R

TensorFlow

Pytorch

AWS

SQL

NoSQL

PySpark

Matplotlib

Plotly

Machine Learning

Deep Learning

ETL

Data Analysis

Docker

Git

EDUCATION AND CERTIFICATIONS

- Master's in Big Data and Visual Analytics | UNIR | 2024 - 2025
- Bachelor's in Data Science and Artificial Intelligence | UPM | 2020 - 2024
- AWS Cloud Foundations Certificate | Amazon | 2023
- English Level B2, Cambridge English Certificate | University of Cambridge | 2021

PROFESSIONAL EXPERIENCE

Junior AI Engineer | MTP | September, 2023 - Present

- Developed deep learning models, using Python's ML modules such as PyTorch and TensorFlow, for detecting unusual patterns and generating synthetic data, enhancing the quality and volume of data for machine learning applications.
- Implemented ETL systems with PySpark to streamline the deployment of models into production, ensuring efficient and scalable integration into business processes.
- Created AI model demos using FastAPI, facilitating the presentation and validation of AI solutions to stakeholders.
- Collaborated with R&D and production teams, applying AI to solve complex business challenges, exploring advanced methodologies, and studying the state of the art in fields like data generation and anomaly detection to improve the accuracy and efficiency of developed systems.

FEATURED PROJECTS

Predicting Stock Market Trends

Implemented data-driven approaches to predict stock market trends using machine learning and neural networks. Analyzed historical data to build predictive models, providing valuable insights into market dynamics and helping to refine investment strategies.

Full Data Science Project, Scientific Articles Retrieval

Built a robust system for analyzing and storing scientific articles using Digital Object Identifiers (DOIs). Leveraged MongoDB, Neo4j, and Spark to handle complex data processing and storage, streamlining workflows and enhancing data accessibility for researchers.

Reinforcement Learning Projects

Developed advanced reinforcement learning solutions, including deep reinforcement learning models and neuroevolution techniques. Successfully tackled complex environments such as Lunar Lander and Bipedal Walker, achieving significant performance improvements over traditional methods. These projects demonstrate the power of AI in continuous action spaces, highlighting innovative approaches to mastering complex tasks.

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