Nicolás Vega Muñoz

Data Scientist
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Madrid (Spain)

""I am motivated and ready to apply my acquired knowledge in a dynamic business environment that allows me to grow professionally and make a meaningful contribution to the team."

Experience

NTT Data (May 2024 - present)

- **Data Scientist Junior in Digital Strategy/Advanced Analytics**

- **Internship:** Collaboration in the automation and pre-industrialization of the project 'Forecast of Electric Market Price'.

Projects

Forecast of the SPOT Price in the Spanish Electricity Market with Neural Networks (Final Degree Project):
Time series forecasting using machine learning (CNN, LSTM) and state of the art models such as Temporal Fusion Transformers (TFT)

SureBets Strategy Automatization:
Data acquisition from The Odds API and scraping betting houses. Automate mathematically guaranteed bets across various betting platforms. Development of a TelegramBot that fetches surebets.

Superstore Membership Conversion Predictor
Predict the likelihood of the customer giving a positive response to a new offer by the superstore, reducing marketing costs and increasing the conversion rate.

Content Based Image Retrieval (CBIR)
Implementation of multiple Content Based Image Retrieval systems based on local and global image descriptors, such as textures, points of interest (SIFT) and Convolutional Neural Networks (CNN).

Others:
Retail Sales Associate, Summer Lifeguard, Private Tutoring in Physics and Mathematics, Certified Volunteer at Alif

Education

2020 - 2024
Data Science and Artificial Intelligence
Polytechnic University of Madrid

2020
Academic Excellence Technological High School
IES Burgo de Las Rozas

Skills

Programming Languages: Python, R, SQL.

Machine Learning: Deep Learning, CNN, LSTM, Gradient Boosting, Adaboost, Bagging, Grid Search, (S)ARIMA.

Big Data: MapReduce, Hadoop, Apache Kafka.

Data Science and Data Processing: NLP, Semantic Web, Web Scrapping, Statistics, MapReduce, CRISP-DM.

Tools: Anaconda, Github, Docker
Cloud: Amazon AWS

Databases: MySQL, SQLite, Neo4j, Mongodb.

Libraries: TensorFlow, Keras, Scikit-learn, PyTorch, NumPy, Pandas, OpenCV, Selenium, Beautifulsoup, Matplotlib.

Others: IoT, Cryptography, MatLab.

Soft: Problem-solving, Teamwork, Information Search and Analysis, Leadership, Creativity, Organization.

Languages

English, C1 (Cambridge)

Spanish (native)