Carlos Rodriguez Acosta

Machine Learning Engineer

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Santo Domingo, Dominican Republic

PORTFOLIO

Aspiring Machine Learning Engineer with a robust background in civil engineering, mathematics, and statistics. Passionate about leveraging data to uncover insights and build innovative solutions to complex problems. I bring a proactive mindset. Eager to contribute to a dynamic team and make a meaningful impact through data-driven decision-making.

🎓 Education

Bachelor of Science: Civil Engineer, Universidad Iberoamericana
2017 – 2023 | Santo Domingo, Dominican Republic

📇 Certificates

MIT Applied Data Science Program (12 week program, ongoing)

Machine Learning on Google Cloud Specialization ⤢

Machine Learning Specialization (with AI visionary instructor Andrew Ng) ⤢
Coursera

Google Advanced Data Analytics Professional Certificate ⤢
Coursera

Google Data Analytics Professional Certificate ⤢
Coursera

Data Analysis with Python ⤢
Free Code Camp

📂 Projects

UEFA Euro 2024 Advanced Sports Analytics ⤢
- Joined a Local Chapter Challenge from Omdena.com. Collaborating with a team of 50+ to leverage ML for UEFA Euro 2024, tourism analysis, and data demonstration. (4 week project)

Time Series Forecasting on Google Cloud Platform
- Utilized BigQuery, Vertex AI and a FeedForward Network to predict weather conditions

ML-Based Approach to Forecasting Home Depot's Quarterly Financial Performance:
- Cleaned data from SEC 10-K filings and developed forecasting models.

Predicting 30-Day Hospital Readmission:
- Created an XGBoost model to predict the likelihood of readmission for diabetes patients.

🧠 Skills

Programming and Tools
Python, R, SQL (PostgreSQL & BigQuery), Docker

Cloud Platforms
AWS (SageMaker, S3), GCP (BigQuery, Vertex AI), MS Azure (Azure ML Studio)

Machine Learning Frameworks
TensorFlow, Keras, PyTorch, Scikit-learn, Caret

Data Manipulation
Jupyter, Anaconda, Google Colab, PostgreSQL, BigQuery, Kaggle, Posit Cloud

Data Visualization
Tableau, Matplotlib, Seaborn, Shiny, ggplot2

Office Tools
Microsoft Office Suite

Google Sheets

🌐 Languages

- Spanish (Native)
- English (Fluent)
- Italian (B1)