Carlos Rodriguez Acosta

Data Scientist

carlos.rodriguezacosta@gmail.com

+1 829 679 1707

Santo Domingo, Dominican Republic

PORTFOLIO

Aspiring machine learning engineer with a strong foundation in civil engineering, mathematics, and statistics. Eager to apply analytical skills and passion for data to solve real-world challenges. I'm a self-starter with a track record of taking initiative and delivering results

🎓 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 one of the Chapter Challenges from Omdena.com. Collaborating with a team of 50+ to leverage ML for sports analytics, tourism analysis, and data demonstration. (4-8 week project, ongoing)

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)