Carlos Rodriguez Acosta

Machine Learning Engineer

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PROFILE SUMMARY

Machine Learning Engineer with a foundation in engineering, mathematics, and statistics. Skilled in transforming complex data into actionable insights, driving impactful solutions in dynamic team environments. Known for a proactive approach and the ability to harness data to solve challenging problems and deliver measurable results.

SKILLS

Python | R | SQL (PostgreSQL & BigQuery) | Docker | AWS (SageMaker, S3) | GCP (BigQuery, Vertex AI) | MS Azure (Azure ML Studio) | TensorFlow | Keras | PyTorch | Scikit-learn | Caret | Jupyter | Anaconda | Google Colab | Tableau | Matplotlib | Seaborn

WORK EXPERIENCE

Machine Learning Engineer

Omdena.com | Santo Domingo, Dominican Republic | June 2024 - Present

- Developed a clustering model in Python to categorize UEFA Euro 2024 teams based on their historical performance metrics, providing actionable insights for team strategies.
- Analyzed the impact of player injuries on team performance using regression models, identifying key factors that significantly affect match outcomes.
- Investigated the effect of home advantage on match results through logistic regression, quantifying its influence and predicting match outcomes with a high degree of accuracy.
- Collaborated on data scraping and preprocessing tasks to ensure comprehensive datasets for in-depth analysis, including goals scored, possession stats, and player performance metrics.

ZenFlow AI

Personal Project | Santo Domingo, Dominican Republic | August 2024

- Developed the ZenFlow AI platform, focusing on automating machine learning workflows to improve model deployment and management processes.
- Created automated data preprocessing pipelines, ensuring efficient data handling and preparation for model training.
- Implemented scripts for seamless model training and evaluation, reducing manual effort and increasing consistency in model performance.
- Set up monitoring and logging systems to track model performance and maintain reliability in production environments.

EDUCATION

Bachelor of Science: Civil Engineering

Universidad Iberoamericana | Santo Domingo, Dominican Republic

Certificates

- MIT Applied Data Science Program (MIT Professional Education)
- Machine Learning on Google Cloud Specialization (Google)

- Machine Learning Specialization with Andrew Ng (Deeplearning.AI)
- Google Advanced Data Analytics Professional Certificate (Google)
- Google Data Analytics Professional Certificate (Google)
- Data Analysis with Python (FreeCodeCamp)

LANGUAGES

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