

Daniel Atoche Garay

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Education

Instituto Tecnológico de Costa Rica: <i>Computer Science</i>	2021 - 2024
Google: <i>Advanced Data Analytics</i>	2023-2024
Microsoft Power BI Data Analyst Professional	2024

Portfolio

- Developed Machine Learning algorithms using Python, SQL, scikit-learn, Matplotlib, numpy, pandas, Colab, TensorFlow, Hadoop, Apache Spark, Kafka, Google Cloud, Snowflake, and CNNs.
- Utilized image processing techniques and time series forecasting algorithms in the development of Machine Learning models.
- Conducted comprehensive data analysis: preprocessed data, performed exploratory data analysis.
- Built and validated models (including supervised and unsupervised regression models like KMeans, linear and logistic regression, random forests, and XGBoost), optimized hyperparameters, and interpreted and communicated results.
- Developed Python APIs using FastAPI and web applications using Django, managed databases in PostgreSQL, and deployed applications on Heroku, Docker, and DigitalOcean.

Experience

Private Consultant

Computer Vision, Natural Language Processing, Data and Statistical Analyst 2022-2024

- Collaborated with RedLabs on implementing deep learning models for real-time object detection using TensorFlow and PyTorch.
- Worked with VisionWorks to deploy AI-driven quality control systems based on convolutional neural networks (CNNs) and image processing techniques.
- Enhanced Intel's anomaly detection capabilities using machine learning frameworks like Scikit-Learn and XGBoost, integrating them into existing data pipelines.
- Conducted predictive maintenance analysis using time series forecasting algorithms and machine learning in Python for several small and medium-sized companies across the manufacturing and healthcare industries.
- Optimized algorithms for multiple analytics solutions providers, leveraging Apache Spark and Snowflake for big data processing in the technology and design sectors.

TecService - Logixsoft

Python Developer 2023

- Led a team in restructuring the company's database, with which we developed an interactive web application in Django, a .NET API, and a SQLServer database.

Elev8 Education

Python, Java, and JavaScript Instructor 2023

- Prepared students for international Python certifications through comprehensive training and personalized guidance.

Instituto Tecnológico De Costa Rica

Discrete Mathematics Professor 2022

- Instructed students in logic and set theory within discrete mathematics, cultivating their analytical reasoning abilities.

Skills & interests

Python, Pycharm, Django, FastApi, Postgres, SQL, Postman, Pytest, CI/CD, Ubuntu, Docker, Heroku, DigitalOcean, Microservices, AI, LLM, Machine Learning, Deep Learning, Jupyter, Statistical Analysis, Exploratory Data Analysis, scikit-learn.