

Daniel Atoche Garay

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Education

Instituto Tecnológico de Costa Rica <i>Computer Science</i>	2021 - 2025
Google: Advanced Data Analytics	2023-2024
IBM: Data Engineering Professional Certificate	2024

Projects

Machine Learning:

- Developed algorithms using Python, SQL, Tableau, scikit-learn, Matplotlib, numpy, pandas, Colab, TensorFlow, Hadoop, Apache Spark, Kafka, and Google Cloud.
- Conducted comprehensive data analysis: preprocessed data, performed exploratory data analysis, built and validated models, optimized hyperparameters, and interpreted and communicated results.
- Built supervised and unsupervised regression models, including KMeans, linear and logistic regression, random forests, and XGBoost.

Software Development:

- Developed Python APIs using FastAPI and web applications using Django.
- Utilized SQLAlchemy and Alembic to handle databases in PostgreSQL.
- Conducted testing with pytest.
- Deployed applications on Heroku, Docker, and DigitalOcean.

Competitions

Level Up 2023 - Instituto Tecnológico De Costa Rica	Cartago, Costa Rica July – September 2023
<ul style="list-style-type: none">• Led a team at TecService - Logixsoft in restructuring the company's database, with which we developed an interactive web application in Django, a .NET API, and a SQLServer database.	

Experience

Elev8 Education <i>Python, Java, and JavaScript Instructor</i>	Cartago, Costa Rica October – December 2023
<ul style="list-style-type: none">• Prepared students for international Python certifications through comprehensive training and personalized guidance.	
Instituto Tecnológico De Costa Rica <i>Teaching Assistant for the Mathematics Department</i>	Cartago, Costa Rica July 2022 – July 2023
<ul style="list-style-type: none">• Prepared and evaluated exams and projects and offered feedback on students' work and assignments.	
Instituto Tecnológico De Costa Rica <i>Discrete Mathematics Tutor</i>	Cartago, Costa Rica March 2022 – July 2022
<ul style="list-style-type: none">• Developed and implemented innovative strategies to captivate students' interest in mathematics, leading to a 300% increase in class attendance.	

Skills & interests

Technical:

- Python, Pycharm, Django, FastApi, Postgres, SQL, C, HTML & CSS, Solidity, Postman, Pytest, CI/CD, Ubuntu, Remix Ethereum IDE, Docker, Heroku, DigitalOcean, Microservices, Saas, AI, LLM, Machine Learning, Deep Learning, Jupyter, Statistical Analysis, Exploratory Data Analysis, scikit-learn, inglés avanzado.