Daniel Atoche Garay

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Education

Instituto Tecnológico de Costa Rica	Cartago, Costa Rica
Computer Science	2021-2025
Achievements: Honor Scholarship	
Google: Advanced Data Analytics	Cartago, Costa Rica
	2023-2024

Projects

Machine Learning:
- Developed multiple projects using Python, SQL, Tableau, scikit-learn, Matplotlib, numpy and pandas.
- Conducted comprehensive data analysis including data preprocessing, exploratory data analysis, modeling, model validation, results interpretation, and communication.
- Built various supervised and unsupervised regression models, including KMeans, linear and logistic regression, random forest, and XGBoost.

Software Development:
- Developed Python APIs with FastAPI and web applications with Django.
- Utilized SQLAlchemy and Alembic for managing PostgreSQL databases.
- Conducted unit tests with pytest.
- Deployed applications on Heroku, Docker, and DigitalOcean.

Competitions

Level Up 2023 - Instituto Tecnológico De Costa Rica	Cartago, Costa Rica
	July – September 2023

- Collaborated with TecService - Logixsoft to lead a team in redesigning the company's database, developing an interactive app, and creating a robust .NET API. Achieved a 90% reduction in search time, optimizing efficiency and security. Implemented a well-structured relational data model and conducted a comprehensive SQL Server database overhaul.

Experience

Elev8 Education	Cartago, Costa Rica
Instructor of Python, Java, and JavaScript	October – December 2023

- Prepared students for international certifications in Java, JavaScript, and Python through comprehensive training and tailored guidance.

Instituto Tecnológico De Costa Rica	Cartago, Costa Rica
Teaching Assistant for the Mathematics Department	July 2022 – July 2023

- Prepared and evaluated exams and projects, offered feedback on students' work and assignments, in collaboration with the professors of the Discrete Mathematics course.

Instituto Tecnológico De Costa Rica	Cartago, Costa Rica
Discrete Mathematics Tutor	March 2022 – July 2022

- 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, advanced English.