

Shadek Halim Jaramillo Rojo
Data Scientist

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Profile

Dedicated data scientist enthusiastic about science and mathematics with a strong foundation in data analysis and problem-solving. Astronomy student with experience in the implementation of math solutions to complex problems.

Skills

Languages: Español (native), English (C2 EFSET)

Technical: Python, Sci-kit Learn, Scipy, Numpy, Pandas, Matplotlib, Data Science, Machine Learning, Exploratory data analysis (EDA), Webscraping, GO, SQL, Keras, streamlit, flask, Label Studio.

Education

Certificate Data Science and Machine Learning

4Geeks Academy

July/2025 - October/2025

Remote, Colombia

Cursos Relevantes: Supervised Learning, SQL Databases, Github.

Astronomy, four semesters

University of Antioquia

2022-2024

Medellín, Colombia

Cursos Relevantes: Computational Methods, Complex Variable Calculus, Linear Algebra.

Experience

Data Scientist

September/2025

Personal project, Shelf-Scanner

Medellín, Colombia

- Designed the architecture of the backend of the project to ensure scalability and used Object Oriented structures to define a method of communication so the front end can easily use the models and parse the results.
- Implemented a computer vision model to automate the order analysis of shelves in super markets demonstrating understanding of model inputs and outputs.
- Tuned the model architecture and adjusted the epochs to obtain a precision and recall measurements over 91% while having the smallest possible architecture to ensure faster prediction and training times.
- Implemented machine learning models that allow for comparison between the computer vision model results and the expected order of the items in the shelves using Pandas for data manipulation and Scikit-Learn for the comparison model.

Translator

2019

Hotel Casa Baloo

Santa Marta, Magdalena, Colombia

- Translated messages sent by potential clients to improve communication with the hotel staff.
- Assisted international guests express their questions and requests to the hotel staff in a clear and precise manner.
- Provided information on transport fares, city landmarks, and tourist sites to improve the overall experience of guests.