

# Nadal Bardisa Quintero

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## Profile

Data Science student at the Polytechnic University of Valencia, specializing in artificial intelligence, machine learning, and predictive modeling. Proficient in Python, advanced in C++. Experienced in data preprocessing, supervised and unsupervised learning, deep learning, and natural language processing (NLP). Active in hackathons, competitive programming, and personal projects. My passion for finding practical applications to everything I learn has led me to explore far beyond what is taught in the classroom and to develop my own solutions to everyday problems.

## Education

### Polytechnic University of Valencia

BSc in Data Science

2023–2027

Competitive Programming UPV & Start.Inf. Coursework: Data Analysis, ML, Statistics, Algorithms, AI, DevOps.

## Technical Skills

**Programming:** Python, C++, R, SQL, Rust, JavaScript

**Data Science & AI:** scikit-learn, TensorFlow, Keras, PyTorch, XGBoost, LightGBM, Pandas, NumPy, Matplotlib, Seaborn, tidyverse, spaCy, NLTK

**Tools:** Git, Linux, LaTeX, Jupyter, VS Code, Flask, Selenium, bs4

**Languages:** English (C2), Valencian (C1), Spanish (Native)

## Projects

- **AutoTok** – TikTok posting tool: Python pipelines + PCA + Random Forest/XGBoost → predicted engagement (RMSE 0.12), NLP tagging/subtitles
- **Inventory App** – Backend Flask + REST API → Dashboard for easy visualization, desktop and web version with tokens
- **yt2mp3** – CLI YouTube-to-MP3: FFMPEG + logging → robust download/conversion  
<https://github.com/nadalbq>

## Achievements & Competitions

- Paellas Programming Contest, Ada Byron, Codewars (2023 - 2025)
- UPV Project Fair: *InsightBnB* & *AutoTok* – predictive modeling and data insights
- Mercadona IT Hackathon (*Mercachef*) – recommendation engine prototype
- VIEW Acciona Case Study – Descriptive analysis

## Certifications

- C2 English – Cambridge (2024) · C1 Valencian – JQCV (2025)
- Machine Learning & Data Science – edX (2025)
- ML for DS Projects – IBM (2025)
- Data Classification - IBM (2025)
- Getting Started with AI – IBM (2025)

## Extracurricular Activities

**Music:** Singer at OUV Choir.

**Sports:** Brown belt judoka, regular at Club Judo Rochela.

**Community:** Active member of CPUPV; Conducted a preparatory class for first-year Data Science & AI students in Python programming and algorithmics.

**Interests:** Finance, Trading, AI, ML, Deep Learning, Predictive Modeling, Open-Source, Research, Teaching, Music.