

■ Profile

Nicolas Argota is a data scientist with a strong educational background including a Ph.D. in Engineering and a Master's in Big Data and Data Science. He has extensive experience in designing and implementing artificial intelligence solutions, particularly in AWS environments, and has a proven track record of leveraging machine learning models for practical applications such as optimizing crop nutrient distribution and supporting natural disaster communication systems.

■ Stack

- AWS
- Machine Learning
- Data Mining
- Software Defined Radios
- PySpark
- Flask
- Big Data
- Data Science
- LLM
- GPT
- Gemini
- Llama
- Langchain

■ Experience

Title: IA Researcher

Company: Telecommunication Lab - Electronic and Computing College UNT, Argentina

Years: August 2017 - September 2021

Summary: Worked as a member of the IA - machine learning team designing and developing data architecture and environments to enable scalable analytics. Responsibilities included data orchestration, implementing AWS services, creating data visualizations, and conducting research on AI for satellite and drone imagery to aid in forest fire prevention. Developed a machine learning model saving up to 15% in crop production costs and deployed it in AWS. Also involved in pitching research results and fundraisings at Madrid Innovation Food.

Title: Data Scientist - Human Resources

Company: Argentinian Judiciary Power

Years: February 2019 - Current

Summary: Conducted research on AI for satellite and drone imagery for firefighting support, designed intelligent communication systems for disaster scenarios, and participated in teaching applied Mathematics. Managed acquisition, storage, and visualization of Space Weather/Climate information and conducted thesis supervision for undergraduate students.

■ Education

Degree: Master in Big Data and Data Science
Institution: Universidad Autónoma de Madrid
Years: 2021-2023

Degree: Ph.D. in Engineering
Institution: Universidad Nacional de Tucuman
Years: 2017-2021

Degree: BsC in Electronic Engineer
Institution: Universidad Nacional de Tucumán
Years: 2011-2016