







Daniilo DIAZ

Machine Learning Engineer

 [linkedin.com/in/daniilo-diaz](https://www.linkedin.com/in/daniilo-diaz)  github.com/NILodio
 +57 316 575 65 39  ddiazva13@gmail.com
 Dig 56 No 21a-04, Bello, Antioquia, Colombia
 03 September 1994 (27 years)

I am experienced data engineer with good interpersonal and professional skills, hand on attitude and high self-initiative. In my work I am goal oriented and disciplined and constantly strive to explore new technologies. My strengths are machine learning, Python, NumPy, Pandas, TensorFlow, Pyspark, Azure, SQL, MongoDB, API REST and Scikit-learn.

I have good leadership skills and I enjoy working in multicultural environment and working in a team. I am good in handling different situations, challenging tasks and working under pressure worker. I am an innovation lover and a quick learner.

PROFESSIONAL EXPERIENCE

Ongoing March 2021	Machine Learning Engineer Intermediate, MEDELLIN, InterGrupo <ul style="list-style-type: none">> Developing Machine Learning algorithms .> Deploying ML models to production using MLOps> Support clients as an expert to propose the best solution to problems.> Perform constant review of implemented models.> Support the MLe Senior in the implementation of simulations, deployments, code refactoring. <div>Python Azure PySpark MongoDB FastApi SQL</div>
March 2021 April 2019	Project Engineer and Data scientist, MEDELLIN, Logistica y ATP <ul style="list-style-type: none">> Developing model algorithms for logistics application.> Estimating the duration and costs of projects.> Analyzing customer data to propose efficient solutions that improve processes along the supply chain.> Developing and maintaining Warehouse design <div>Python Pyspark E-Commerce SQL</div>
March 2019 March 2018	Coordinator of Application Engineering, MEDELLIN, Colplast S.A.S. <ul style="list-style-type: none">> Formulated, designed and controlled the projects of the sub-management for the development, implementation, testing, and production concerning plastics transformation.> Determined the scope of the project together with technicians and engineers, to establish the activities and resources required for its successful completion. <div>Python Project</div>
March 2018 August 2017	Mechanical Maintenance and Project Engineer, MEDELLIN, PlastiQuimia S.A.S <ul style="list-style-type: none">> I created an Excel and Python program capable for anticipating the company energy cost per machine.> I created several applications that help with the maintenance and management in Excel.> Developed detailed 3D modeling using Solidworks, Auto Rhinoceros. <div>Python Oracle DB SQL Excel</div>
September 2012 January 2014	Mould and die design apprentice, MEDELLIN, TECNOMEC S.A.S <ul style="list-style-type: none">> 3D modeling and detailed engineering in CAD programs (Solidworks and Auto Rhinoceros).> Programming macros and applications in Excel. <div>Python Excel SQL Solidworks</div>

faLaptop

EDUCATION

2020-2021	Specialization (Data Analyst - GPA : 4.8) - Universidad de Antioquia
2012-2016	Bachelor's Degree (Mechanical Engineer - GPA : 4.2) - EAFIT University
2015-2016	Academic vocational training (Integrated design of technical systems) - EAFIT University

SKILLS

Programming	Python (Pandas, Numpy, Pyspark, Jupyter), TensorFlow, Scikit-learn
Frameworks	Fast Api, Django, Django -REST
DataBases	MongoDB, Microsoft SQL Server, MySQL, PostgreSQL
Cloud Computing	Azure (intermediate), AWS (Beginner)
Development tools	Visual Studio Code, Git
Operating systems	Windows 10, Linux

PROJETS

POSTOBON CCV

2021 - ONGOING

 [Postobon CCV](#)

We have developed 3 big ML algorithm to support 3 operations of Postobon (company of alcoholic and non-alcoholic beverages). **Model Prices** Estimated the best material price of a product for a specific zone. **Model Promotions** Estimated the best promotion for a client. **Model Negotiations** Estimated the best negotiation for a client.

[Machine Learning](#) [Azure](#) [Python](#) [Visual Studio Code](#) [Git](#) [FastApi](#)

ACTIVE MEMBER OF A MACHINE LEARNING STUDY GROUP

2018 - 2021

 [MachineLearningColombia](#)

The objective of the group is to ensure that its members obtained an advanced level in machine learning knowledge and to develop innovative projects in the city.

[Facebook](#) [Python](#) [Visual Studio Code](#)

DEMAND FORECASTING IN WAREHOUSES WITH MACHINE LEARNING

2019 - 2021

 [Logistica y ATP](#)

I have developed machine learning models to predict product's demand and picking times, to improve the processes inside the warehouse.

[Machine Learning](#) [AWS](#) [Python](#) [Visual Studio Code](#)

DEVELOPING BOM WITH SQL AND EXCEL.

2017 - 2018

 [Plastiquimica](#)

I have created BOM- A bill of materials app, for planning production, where explosion displays an assembly at the highest level broken down into single components and parts at the lowest level.

[Excel](#) [Python](#) [Visual Studio Code](#) [Numpy](#) [Pandas](#)

A ROBOTIC SYSTEM CAPABLE OF POURING DRINKS TO ITS USER

2015 - 2016

 [EAFIT](#)

I developed Robot Prototype that performs tasks such as pouring drinks in collaboration with a built-in camera which creates a supplying live vision of the surroundings. The project goal was fully defined as a robotic prototype that can mimic some waiter's tasks using artificial vision, inverse kinematics and control the pump of the liquor's flow.

[Facebook](#) [Python](#) [Visual Studio Code](#)

COURSE & CERTIFICATIONS

2021	AZ 900 - Microsoft
2021	FastApi and Python MLops - Udemy
2020	Introduction to Data Science in Python Coursera
2020	Platzi Courses - Platzi

LANGUAGES

Spanish ● ● ● ● ●
English ● ● ● ● ○
Portuguese ● ● ○ ○ ○

CERTIFICATIONS

- > English English Level :Advanced : C1 KI, Vancouver
- > IELTS 6.5

RÉFÉRENCES

Kattia Benedetti Padrón

HR Manager, LAMITECH

@ kbenedetti@lamitech.com.co

☎ +57 315 718 7717

Jaime Barbosa

Professor, UNIVERSIDAD EAFIT

@ jbarbosa@eafit.edu.co

☎ +33 1 23 45 67 90