

MANUEL GIL

MACHINE LEARNING ENGINEER

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Colombia, Bogotá D.C.

Experienced in developing and maintaining machine learning systems for diverse industries. Proficient in APIs and software development, collaborating with cross-functional teams to deliver high-quality data solutions on time and within budget.

EXPERIENCE

EPAM SYSTEMS, MACHINE LEARNING ENGINEER

APRIL 2022 - PRESENT

- Developed an ML model for Tire Assortment Planning that, during testing, outperformed the baseline model. This model serves as a demonstration of the ML Blueprint's capabilities.
- Designed an object-oriented ML project blueprint for the entire ML lifecycle, utilizing tools such as the Databricks Stack (Pyspark, feature store, mlflow), Poetry, and dbx.
- Developed Continuous Integration (CI) Pipelines in Azure Dev Ops and Continuous Delivery (CD) pipelines in Azure Data Factory. Tooling: Azure Dev Ops, Azure Data Factory.
- Developed a Monitoring System utilizing the New Relic platform. This system monitors the status of ML projects executed on Databricks, providing visibility into the jobs running on the platform.
- Built a Model Catalog for Databricks and Google Cloud Platform using IBM Factsheets, integrating Cloud Functions, Vertex AI, MLflow webhooks, and Databricks Jobs.

DCKStudios, DATA SCIENTIST

MAY 2019 - APRIL 2022

- Using data and process mining, we obtain graphic models for process flow, guiding future organizational decisions.
- Developed AI applications enhancing user experience, incorporating speech-to-text, adult content detection, and brand and emotion recognition. Tooling: Azure Custom Vision, OpenCV, image classification, Object Detection, Image processing.
- Detecting water leaks in distribution networks using machine learning and hydraulic simulations. Tooling: Gym OpenAI, Reinforcement Learning.

SKILLS

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| • APIs and Integration, CI/CD, Deployment Strategies. | • Machine Learning Model Development |
| • Data Understanding and Preparation | • Machine Learning Engineering |
| • Data Mining. | • Adaptability and continuous learning |
| | • Cloud Development |

EDUCATION

BACHELOR OF ELECTRICAL ENGINEERING

Universidad de los Andes (VE) 2011-2019

CERTIFICATES

2023 - DATABRICKS

Databricks Certified Machine Learning Professional.

2023 - DATABRICKS

Databricks Certified Machine Learning Associate.

2023 - DATABRICKS

Databricks Academy Accreditation - Databricks Lakehouse Fundamentals

2022 - MICROSOFT

Microsoft Certified: Azure Data Scientist Associate.