

# Hicham Benbriqa

Buenos Aires, Argentina • [hichambenbriqa@gmail.com](mailto:hichambenbriqa@gmail.com) • (+212) 696-160682 • [LinkedIn](#) • [GitHub](#)

---

Highly motivated and results-oriented machine learning engineer with three years of experience. I have assessed the feasibility of projects via the development of Proof of Concepts (PoCs). I have participated in the development of a new and popular US search engine by developing and monitoring intent classification and entity recognition models. I am currently leading the development and delivery of a machine learning model that predicts the concentration of pollutants in the air based on satellite data.

## Professional Experience

Machine learning Engineer

**Pyxis-IDATHA, Montevideo, Uruguay (Remote)**

March 2022–Present

- Built a data pipeline to download, clean and store satellite data in a relational database in the cloud
- Used the satellite data to build machine learning models to predict the concentration of air pollutants
- Developed a Streamlit web application displaying an interactive map of the air pollutants' concentrations
- Participated in pre-sales initiatives by validating the feasibility of projects through PoCs
- Developed the training pipeline of intent classification and entity recognition models using Python, SpaCy and Keras

Machine learning Engineer

**Mohammed VI Polytechnic University, Ben Guerir, Morocco**

April 2021–November 2021

- Implemented and evaluated computer vision models for lane detection and lane recognition tasks
- Deployed and tested state of the art deep learning models in a edge device using Pytorch and Docker

Machine learning Engineer Intern

**Mohammed VI Polytechnic University, Ben Guerir, Morocco**

March 2020–July 2020

- Conducted a comparative analysis of the performance of deep learning and ensemble learning models on land use and land cover classification
- Published and presented the results in an international conference: [Computational Science and Its Applications - 2021](#)

## Education

**National Higher School For Computer Science and Systems Analysis, University Mohammed V – Rabat, Morocco**

July 2020

Engineering degree in Computer Science (concentration: data science)

## Certifications

- AWS Machine Learning Specialty - On going
- AWS Solutions Architect - December 2023