

Hicham Benbriqa

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Highly motivated and results-oriented machine learning engineer with three years of experience. I have assessed the feasibility of projects via Proof of Concepts (PoCs). I have participated in the development of a new and popular US search engine by building 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 cloud-based relational database
- 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
- Designed 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 to an 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
- 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