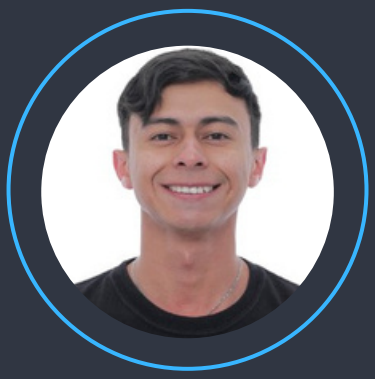

Cristian Alejandro Chávez Becerra

Data Science and Artificial Intelligence student

Contact

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Education

Institut Polytechnique de Paris - École Polytechnique

2024 - 2025

- Master 2 - Data Science

Institut Polytechnique de Paris - Télécom Paris

2023 - 2025

- Master of Science in Engineering - Data Science and Computer Vision

Universidad Nacional de Colombia

2019 - 2025

- Computer Science

Voluntary Work

- Bureau des élèves - Télécom Paris

Languages

- Spanish (Native)
- French (B2)
- English (C1)
- Portuguese (B1)

Hobbies

- Playing guitar
- Playing soccer
- Drawing

Professional Experience

Data Scientist — September 2023 - Present

Universidad Nacional de Colombia | Bogota

- Developed and implemented machine learning models to do personalized recommendations, and predictive analytics for the international accreditation processes of the Faculty of Engineering deploying them on AWS.
- Prepared, cleaned, and organized data for training and evaluating models, ensuring that data pipelines are efficient and accurate.

Full-Stack Developer — February 2022 - September 2023

Universidad Nacional de Colombia | Bogota

- Developed an application that automate the creation of statistics, collect and process data of the self-evaluation processes of the faculty of engineering
- Created the relational and non-relational database for different stages of the project.

Teacher Assistant for the Databases course — February 2021 - February 2022

Universidad Nacional de Colombia | Bogota

- Provided and graded assignments, workshops and exercises mainly related to relational algebra and relational and non-relational databases related to PostgreSQL, MongoDB, MySQL SQLite, Oracle and MariaDB..
- Assisted in correcting student assignments, workshops and exercises.

Projects

Dermoscopic Images Classifier — February 2024 - June 2024

Télécom Paris | Palaiseau

- Classifier for dermoscopic images (skin lesions) applying different models such as: Support Vector Machines linear and non-linear, Random Forest, K-Neighbors, EleNet, ResNet (ResNet101, ResNet152), DenseNet201 and ResNext101.

Neural Network for Artistic Style Transferring — January 2024 - May 2024

Télécom Paris | Palaiseau

- Application of the Gatys et al art-style neural network algorithm that can separate and recombine image content and image style. The algorithm enables us to produce high-end images that combine the content of a photograph with the appearance of works of art.

Fannen — April 2022 - September 2023

Universidad Nacional de Colombia | Bogota

- Application of the k-prototype data partitioning method and random forest using qualitative and quantitative data from triple-negative breast cancer patients to group these patients and enable more personalized medicine.

Technical Skills

Programming languages	Python, Javascript, Typescript, C, C++, Java, Ruby, Matlab
Frameworks and Libraries	ScikitLearn, PyTorch, TensorFlow, Keras, GraphQL, Docker, CUDA, Django, ExpressJS, Ruby on Rails, React Native
Protocols	REST, SOAP, HTTPS
Databases	MongoDB, MySQL, PostgreSQL, Oracle, MariaDB