

ANDRÉS FELIPE FLOREZ BUITRAGO

+57 315 6146157 | andresflorezit@gmail.com | [linkedin.com/in/andresflorezit](https://www.linkedin.com/in/andresflorezit) | github.com/florezandres | [Personal website](#)

Software Engineering student with a minor in AI & Data Science. Experienced in Python and SQL for data analysis and reporting. Skilled in transforming large datasets into actionable insights and collaborating with cross-functional teams. Strong communicator in English and Spanish, with proven ability to deliver accurate results under tight deadlines.

EDUCATION

Pontificia Universidad Javeriana

Software Engineering

- Minor in AI & Data Science.

January 2022 - Present

Bogotá, Colombia

LANGUAGES

English - IELTS Academic

- Proficient user - C1

Spanish - native

WORK EXPERIENCE

Prana Incubadora - pranainc.org

January 2025 - June 2025

Social Impact Intern - Web Development | Angular, HTML, CSS, TypeScript, JavaScript, Render, Hostinger.

Bogotá, Colombia

Supervisor - Juan Carlos Gaitán +57 319 7987259

- Rebuilt and optimized **~85%** of platform code, improving maintainability and eliminating prior errors while delivering high-quality results under tight deadlines.
- Migrated infrastructure from **Netlify** to **Render**, reducing load times by **~40%** and increasing service reliability.
- Developed a WhatsApp integration to enhance user engagement, increasing direct interactions by **10+** within the first month.
- Collaborated closely with **cross-functional** teams, demonstrating high standards and ensuring solutions met real-world needs.

PROJECTS

Crop Yield Prediction Model | [Repository](#)

Predictive Analytics Project | Python, XGBRegressor, NumPy, Pandas.

- Processed and analyzed **350,000+ agricultural records** from open government datasets, ensuring data quality and extracting meaningful patterns.
- Delivered insights to support **agricultural planning** and resource allocation for crop yields in Colombia.
- Built and deployed a predictive model with a Flask API to enable **real-time forecasting and reporting**.

Personal Injury Records Analysis | [Repository - Google Colab](#)

Clustering model | Python, NumPy, Scikit-learn, Seaborn.

- Conducted exploratory analysis on **1.3M+ injury records** from the Colombian National Police to identify risk factors and trends.
- Applied clustering to detect **patterns and risk factors**, generating insights for **public safety reports**.

Regulatory Process Management System - Colombina

July 2024 - December 2024

Full-Stack Development | Angular, TypeScript, JavaScript, Java, Spring Boot, SQL, Docker.

- Developed efficient SQL queries to extract and transform data from relational databases, supporting data-driven process improvements.
- Collaborated in a **32-member agile team**, aligning technical outputs with business objectives and ensuring timely delivery.

TECHNICAL SKILLS

Programming languages: Python, SQL, Java, R, TypeScript, JavaScript, C.

Frameworks/Libraries: NumPy, Pandas, Sklearn, Spring Boot, Angular.

Additional tools: Power BI, Docker, Git, Excel.