

Sebastián Cardona Ramírez

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Professional Summary

Aspiring data analyst and Software Engineering student with hands-on experience in Python-based data exploration and visualization using Pandas, Seaborn and Power BI. Developed an automated EDA web app and supported real-time data monitoring projects with Flask and MySQL. Eager to apply strong analytical skills, attention to accuracy and clear communication to drive data-informed decisions.

Technical Skills

- **Programming Languages:** Python, JavaScript, HTML, CSS
- **Frameworks:** Flask, Streamlit, Dash
- **Data Analysis & Reporting:** Pandas, Seaborn, Matplotlib, Power BI, Excel / Google Sheets, BI Tools, Analytical Abilities
- **Databases:** MySQL, PostgreSQL
- **Machine Learning:** Scikit-learn (Random Forest)
- **IoT & Embedded Systems:** ESP32, Arduino, MQTT
- **DevOps & APIs:** Git, GitHub, REST API Design, Render

Projects

Energy-Efficient Monitoring System

- Built a real-time IoT platform for temperature, humidity, and gas detection using ESP32 + MQTT. Backend in Flask + MySQL; frontend with Chart.js.
- Deployed system to identify hazardous industrial conditions.

DataExplorater (EDA Tool)

- Web-based app for automatic data profiling.
- Users upload .csv or .xlsx to generate stats, plots, and correlations.
- Streamlit-powered interface with Pandas and Seaborn.

Education

Universidad Cooperativa de Colombia

B.S., Software Engineering

2026