

Alejandra Mariño Parra

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SUMMARY

Data-driven professional with a strong background in Mathematics and proven ability to design AI-powered digital products that drive measurable results. Skilled at transforming complex datasets into actionable insights, building modern full-stack applications, and creating seamless user experiences. Adept at bridging the gap between **theory and real-world application**, delivering solutions that are both technically sound and business-focused.

CORE COMPETENCIES

- **Data Science & Machine Learning:** Python, Scikit-learn, Pandas, NumPy, SQL, ETL Processes, Statistical Analysis
- **Programming & Databases:** JavaScript, TypeScript, Node.js, Next.js, .NET, REST APIs, MongoDB (NoSQL), PostgreSQL
- **Development Tools & Platforms:** Git, GitHub, Google Cloud Platform (GCP), Postman, Vite

TECHNICAL PROJECTS

**Around the US website** – [live](#) | [github](#) | [demo](#) (Jul 2024)

HTML | CSS | Javascript | NPM | Webpack | API.

- Built a responsive website for picture and profile management.
- Applied semantic HTML5, BEM-structured CSS, and JavaScript for interactivity and API communication.

**What to wear website** - [github](#) | [weather API](#) (Aug 2024)

React | Vite | JavaScript | React Hooks | React Router | CSS Modules | OpenWeatherMap API | Node.js | Express | MongoDB

- Developed a weather-based clothing recommendation app.
- Integrated OpenWeatherMap API for real-time weather data and enabled users to manage personal wardrobe items.

**Contact Center Dashboard**- [github frontend](#) | [github backend](#) (Mar 2025)

JavaScript | React | WebSockets | .NET | Next.js

- Designed a real-time dashboard with live agent and client metrics updated every 5 seconds.
- Built backend WebSocket logic and database integration for seamless performance monitoring.

**Machine Learning Educational Platform** – [frontend live](#)- [github](#) (Feb 2025)

- JavaScript | Node.js | React | MongoDB | OpenML API | CSS | HTML5 | Node.js | Express | Tiptap
- Developing a web platform for users to explore and learn ML models interactively.
- Post creation with theoretical content, and dataset downloads.
- Uses OpenML API for real-world datasets to experiment with different models like Linear Regression, Logistic Regression, KNN, K-Means, and Decision Trees.
- Emphasizes mathematical concepts behind each ML model, helping users grasp theory and application.

EXPERIENCE

**Auratabogo** – Frontend Developer (Non-profit project, Nov 2024 - August 2025)

- Built a responsive artistic landing page using React + TypeScript.
- Enhanced the artist’s digital presence with a modern, user-friendly design.
- Collaborated in a cultural initiative to broaden access to local art.

**Visual Contact** – junior Developer (Mar 2025 – August 2025)

- Developed modern React + next.js+ Redux interfaces with reusable components.
- Integrated REST APIs and collaborated with backend teams to ensure feature completeness.
- Used Git and GitHub for version control and project coordination.

**Tripleten educational program** (Feb 2024 – Mar 2025)

- **What to Wear:** Developed a React + Vite app that suggests clothing based on weather data using the OpenWeatherMap API. Integrated user interactions for managing clothing items.
- **Picture Interaction Website:** Built a full-stack website allowing users to manage pictures and profiles. Employed responsive design with semantic HTML5, CSS, and JavaScript.

**Skydropx** – Business Intelligence Intern (Jan – Jun 2023)

- Worked with Google Cloud Platform (GCP) and Matillion ETL to optimize data processes.
- Assisted in designing and implementing business intelligence solutions to improve decision-making.

**Kantar** – Data Solutions practitioner ( Apr – Oct 2022)

- Increased impact evaluation solutions by 70% through improved time delivery.
- Migrated from SQL to Python technologies to enhance data analysis capabilities.
- Developed a framework for connecting multiple databases, facilitating comprehensive data analysis across different time periods.

EDUCATION

**TripleTen Software Engineering Program, 2024** , A bootcamp covering front-end and back-end development, emphasizing hands-on projects and skill-building for real-world work environments.

**Skillslash, 2023-2024**, A program focused on mastering the theory and principles of Machine Learning and Artificial Intelligence.

**Universidad Distrital Francisco José de Caldas, 2017 – 2023**, Bachelor's degree in Mathematics.

