

# Juan Manuel Emiliani

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Portfolio (Website): <https://juanemiliani70.github.io/My-Portfolio/>

GitHub: <https://github.com/Juanemiliani70?tab=repositories>

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I am a junior Software Development student with a strong interest in Data Science and Machine Learning. I have hands-on experience through academic and freelance projects working with Python, SQL, JavaScript, Java, and C#, building backend and frontend applications and data-driven systems.

I am currently completing practical training in machine learning and data analysis, gaining experience in data cleaning, exploratory analysis, feature engineering, and basic model development using Python libraries.

I also have foundational knowledge of networking and systems administration, including Windows Server and Linux environments. I am studying Software Development at Instituto Tecnológico Superior Santo Domingo and actively seeking entry-level roles in Machine Learning or Data-related fields, where I can continue developing production-ready, data-focused solutions. After completing my degree, I plan to pursue formal studies in Artificial Intelligence and Data Science.

## Work Experience

### Freelance Software Developer

*Feb 2025 - Dec 2025*

- Delivered end-to-end software solutions for small clients, covering web and mobile use cases in a remote freelance setting.
- Designed and developed responsive web applications and landing pages, focusing on usability, maintainability, and clean component architecture.
- Worked directly with clients to gather requirements, iterate on features, and support deployment and post-delivery improvements.

Main Technologies: *React, JavaScript, HTML5, CSS, React Native, MongoDB, Bootstrap, JWT, Git, Github.*

### Machine Learning Engineer (Project-Based Training) – Anyone AI

*Dec 2025 – May 2026*

- Developed end-to-end machine learning projects using real-world datasets, covering data cleaning, exploratory data analysis, feature engineering, and model evaluation.
- Built and validated predictive models using Python and common data science libraries, applying supervised learning techniques and performance metrics.
- Designed reproducible data workflows, including dataset preparation, train/validation splits, and experiment tracking.
- Interpreted model results and communicated insights through structured reports and visualizations.

Main Technologies: *Python, SQL, Pandas, Numpy, Scikit-Learn, Docker, Matplotlib, Seaborn, Jupyter Notebook, Git, GitHub.*

## **AI Data Trainer – Scale AI**

*Apr 2026 – Present*

- Designed and validated implementation-agnostic prompts and software interface contracts to evaluate LLM code generation capabilities across real-world repository upgrade tasks.
- Analyzed code diffs, test patches, and golden patches to assess model output correctness and identify F2P (fail-to-pass) test coverage.
- Configured and debugged Docker environments, run scripts, and parsing pipelines to support automated evaluation workflows.
- Evaluated software interface specifications for accuracy, completeness, and black-box compliance across Python and JavaScript codebases.

Main Technologies: *Python, Docker, Bash, Git, Node.js, JavaScript, Java*

## **Projects**

### **Ski Instructor Website (Jun 2025)**

#### ***Freelance Project***

- Developed a fully responsive landing page for a ski tourism business using React, ensuring optimal usability across desktop and mobile devices during a 3-month remote freelance engagement.
- Built reusable React components and structured the UI with HTML, CSS, and JavaScript to improve maintainability and reduce future development effort.
- Optimized frontend performance and user experience by implementing smooth scrolling, clean UI/UX patterns, and efficient component rendering.
- Managed customer inquiries and bookings generated through the website via WhatsApp, handling client communication and coordination for ski classes.

Main Technologies: *React, JavaScript, HTML5, CSS.*

### **Peliculapp - Movies App (Nov 2025)**

#### ***Academic Project***

- Designed and developed a full-stack web application for movie search and management as an academic personal Project, implementing secure user registration and login flows using JWT.
- Built and integrated RESTful APIs with Go (Gin) and MongoDB to manage movies and reviews, following clean architecture and scalable data modeling practices.
- Implemented a responsive frontend with React to deliver detailed movie search functionality, content management, and an intuitive user experience.
- Applied software engineering best practices, including REST API design, authentication standards, and version control with Git/GitHub, to improve maintainability and performance.

Main Technologies: *React, JavaScript, Golang, MongoDB, Postman, Git, Github, JWT.*

## Contacts Manager App (May 2025)

### Personal Project

- Implemented full CRUD functionality to create, update, delete, and list contacts using a Flask-based backend and a MySQL relational database.
- Designed a clean and functional web interface using HTML, Bootstrap (Bootswatch), and server-side rendering for efficient data interaction.
- Built backend routes and database queries to handle persistent data storage, validation, and basic error handling.

Main Technologies: Python, Flask, MySQL, HTML, Bootstrap (Bootswatch).

## Education

### Instituto Superior Santo Domingo (ISSD)

Mar 2024 - Present

Higher Technician in Software Development

## Courses

### Instituto CBTech

Sep 2024 - Feb 2025

Computer Network Administration and Security

## Certificates & Professional Training

### Cisco Networking Academy

Jan 2025 - Feb 2025

Junior Cybersecurity Analyst Career Path

### Santander Academy

Sep 2025

Power Bi Fundamentals

## Skills

Tech Skills: Python, SQL, Java, JavaScript, C#, HTML5, CSS, Pandas, Numpy, Scikit-Learn, Flask, .Net, Seaborn, Jupyter Notebook, Google Colab.

Agile Methodologies: Scrum.

Other Tools: MongoDB, MySQL, SQL Server, JWT, Matplotlib, Linux, Windows Server, Virtual Box, VMware, Excel.

Languages: English (Intermediate) | Italian (Basic) | Spanish (Native).

