

Miguel Romero

Software Engineering Student

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Professional Profile

Software Engineering student focused on developing innovative technological solutions. I have worked on projects using tools such as Python, React, TypeScript, PostgreSQL, Power BI, and TensorFlow, which have allowed me to integrate skills in both software development and data science. I am seeking an internship opportunity where I can contribute from day one, collaborate with global teams, and continue growing professionally in a dynamic and inclusive environment.

Education

B.Sc. Software Engineering – Sixth Semester <i>Institución Universitaria de Colombia</i>	Aug 2023 - Currently
Data Analysis and Visualization <i>MINTIC</i>	Dec 2024
JavaScript Essentials 1 <i>CISCO</i>	Jul 2024
Programming Essentials In Python <i>CISCO</i>	Dec 2023

Proyectos

Brain Cancer Detection with AI (Python, TensorFlow, Keras, Jupyter)	April 2025
<ul style="list-style-type: none">Designed and trained a Convolutional Neural Network (CNN) model to classify medical MRI images into four categories: glioma, meningioma, other tumor types, and no tumorUsed a real-world dataset of brain MRI scans, achieving over 85% accuracy on the validation set.Applied data augmentation techniques to increase dataset diversity and enhance the model's generalization capabilities.	
Market Forecasting with AI (Python, Pandas, TensorFlow, Power BI, Git)	Dec 2024
<ul style="list-style-type: none">Cleaned and prepared a robust economic dataset containing over five years of historical	

- data, ensuring data quality and consistency using Pandas
- Built a predictive model with TensorFlow, achieving high accuracy in market forecasts for the period 2025 – 2026-2, with a minimal margin of error.
- Designed interactive dashboards in Power BI to visualize key variable relationships and support data-drive decision-marking
- Applied best practices in development and version control using Git throughout the project lifecycle

E-commerce Platform (React, TypeScript, PostgreSQL, Git)

Jan 2025

- Developed a modern and responsive user interface using React and TypeScript, applying UI/UX design principles and development best practices
- Integrated a real-time relational database with PostgreSQL, optimizing queries to enhance overall application performance
- Implemented security measures for user authentication and data protection, and managed version control throughout the project using Git.

Technical Skills

- **Programming languages:** Python, SQL, JavaScript, TypeScript, Java
- **Frameworks:** TensorFlow, React, Tailwind, Keras
- **Tools and Platforms:** Git, Jupyter Notebook, Power BI
- **Methodologies:** Agile, Scrum

Soft Skills

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|-----------------------------------|------------------------------|----------------------------|
| • Critical thinking | • Collaborative Project work | • Complex problema-solving |
| • Adaptibility and growth mindset | • Continuous self-learning | • Proactive |
| • Effective communication | • TeamWork | |

Idiomas

- **Inglés:** Intermedio (B1) – Continuously improving, with strong technical comprehension and effective collaboration skills.
- **Español:** Native