

Pablo Alejandro Guatibonza Briceño

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Education:

University of los Andes (2020-2024)

Scholarship holder under the “Quiero Estudiar” program.

Courses: Data structures, algorithm design and analysis, OOP in java, databases, software architecture and design.

Languages: Python, Java, JavaScript, TypeScript, C.

Frameworks: Django, Angular, Flutter, Flask, FastAPI, LangChain, LangGraph

Technologies: Git, Docker, Kubernetes, Tekton, JUnit, Selenium, TensorFlow, PyTorch, Hugging Face, RAG, Vector DB

Cloud Platforms: AWS, Azure

Experience:

IBM

January 2024 - Present

- Created automated CI/CD pipelines for continuous delivery, significantly reducing feature deployment times.
- Implemented an AI solution utilizing Retrieval-Augmented Generation (RAG) and Prompt Engineering to handle and interpret IBM MQ error logs, providing automated problem-solving capabilities with high accuracy and efficiency.
- Integrated LLM-based solutions with existing enterprise APIs and cloud-based platforms, ensuring seamless operations and optimal performance.

Achievements:

- TA of CS1 from second to fifth semester and “Algorithms design and analysis ” during sixth semester
- Qualified for the Latin American Programming Marathon after placing among the top 30 teams in Colombia.
- GPA: 4.4/5 cumulative

Projects:

AI-Powered Chatbot Tutor:

August-december 2024

- Developed an AI-driven educational chatbot using GPT-4, LangGraph, and Streamlit, integrated into the Universidad de los Andes platform.
- Optimized context management and response accuracy, achieving over 90% user satisfaction through real-world testing.
- The project was accepted as a short paper at the **International Conference on Intelligent Tutoring Systems (ITS 2025)**, recognizing its contribution to AI-assisted education.

AutoAssist chatbot:

July 2024 - Present

- Engineered an advanced AI chatbot for customer service automation in car dealerships, performing tasks like vehicle comparisons, pricing inquiries, and scheduling test drives via WhatsApp.
- Leveraged embeddings and vector databases for improved context-awareness and user experience, significantly enhancing customer interaction efficiency.

Interests:

Artificial Intelligence- Generative AI-Problem Solving-Business-Algorithms-Swimming -Workout -Socializing