LUIS GUILLERMO ANGARITA GUTIÉRREZ

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EXPERIENCE

Data Scientist   Sept 2023 - Current
SoftServe   *Medellín - Colombia*

- Developed multi-agent chatbots that improved performance of the llm models from 63 to 98%
- Developed a chat-based assistant using llms from aws bedrock. This chatbot used guardrails, a react agent and retrieval augmented generation. Improving by 87% the quality of the responses to the users.
- Made an application that uses llms from Aws Bedrock to generate and query Graph databases, this improved the performance of Rag tasks by 70%.

Data Scientist   Jan 2021 - Sept 2023
Xolit SAS   *Bogotá - Colombia*

- Implemented Large language models in chatbots and automation tools to analyze text and provide customer support, which resulted in 50x communication efficiency and 85% increase in client satisfaction.
- Created an A/B testing framework to improve customer experience for a ChatBot with 1 million conversations per month, resulting in an 80% growth in customer satisfaction.
- Developed more than 20 APIs and WebApps to serve machine learning models, which resulted in an average improvement in efficiency of 350% against existing APIs and processes.
- Leveraged NLP techniques and APIs from Azure, Twilio, and AWS to develop a voicebot application capable of calling 2000 clients per minute, providing them with information and responding to voice commands.

Research Assistant   Jul 2013 - Jan 2021
EAFIT University   *Medellín - Colombia*

- Worked as a research assistant in 5 projects about new materials and energy efficiency. I was also awarded an scholarships to pursue a Master's degree in Applied Physics.
- Employed data analysis techniques and machine learning models to communicate research findings in 5 scientific papers and 8 conferences.
- Served as a teaching assistant for 4 post-graduate courses, providing support to students in their academic pursuits.

SKILLS

Programming Languages:	Python, SQL, R, Scala, Latex, JavaScript, Go
Data Analysis:	Pandas, Polars, NumPy, Scipy, Dask, Spark (PySpark)
Data Visualization:	PowerBi, Tableau, Matplotlib, Seaborn, Plotly, D3.js
Application Development:	FastApi, Streamlit, Gradio, Chainlit, Svelte, NextJs
Artificial Intelligence:	PyTorch, TensorFlow, Scikit-Learn, spaCy, Gensim, Pycaret, H2O
Cloud and MLOps:	AWS, Azure, GCP, Docker, Kubernetes, MLflow, Airflow, Databricks

EDUCATION

Ms.C in Applied Physics, EAFIT University
(Sept 2017)

Materials Engineering, University of Antioquia
(July 2013)

RELEVANT CERTIFICATIONS

- Data Science For All, Correlation One (Aug 2020)
- Machine Learning, Stanford University (Dic 2020)
- Deep Learning Specialization, Deeplearning.AI (Jan 2021)