

Cristobal Medina Meza

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EDUCATION

Tecnologico de Monterrey

B.S in Data Science and Mathematics Engineering

GPA 93/100

Aug. 2022 – Jun. 2026

Guadalajara, Jalisco

EXPERIENCE

Meta

Engineering Intern

- Designed and implemented a web application using React to visualize movie data with the TMDb API
- Engineered a web application to create and manage kudoboards using PostgreSQL
- Developed a web application to visualize, create, and save playlists

June. 2024 – Aug. 2024

Menlo Park, California

Tecnologico de Monterrey

Undergraduate Research Assistant

- Developed a Python script to analyze and model properties of nanomaterials
- Designed a Python script to arrange and normalize data stored in Excel files
- Explored ways to visualize data with Python (Matplotlib & Seaborn)

Feb. 2023 – Apr. 2024

Guadalajara, Jalisco

PROJECTS

Tweets sentiment analysis | *Python, Excel, Pandas, Sklearn*

- Completed data preprocessing tasks, including text cleaning, tokenization, and removing stopwords
- Selected appropriate machine learning models (Naive Bayes, Random Forest, SVM) for sentiment analysis
- Vectorized qualitative data to enable deeper analysis
- Created visualizations, such as word clouds or sentiment distribution plots, to better understand the data and model results

Jul. 2023 – Sep. 2023

FinancIA | *Python, Tableau, Excel*

- Performed data mining tasks to obtain insightful data about investments.
- Designed and implemented a responsive dashboard to display live insights of our service.
- Executed data cleaning and preprocessing tasks, improving our model's accuracy by 20%
- Pitched an AI investments consultancy, showcasing innovative solutions, and contributed to our team's victory in the track.

Aug. 2023

AWARDS AND HONORS

Hackathons

2023-2024

- Startup Weekend Fintech 2024 Winner:** Secured first place in a 72-hour hackathon competing against over 400 participants
- Guadalalahacks 2024 Director:** Directed and helped create the hackathon Guadalalahacks, which received over 90 participants in its first edition.
- HackMTY 2023 Winner:** Won the Banorte track at HackMTY 2023, the biggest hackathon in Latin America.

TECHNICAL SKILLS

Programming languages: Python, MATLAB, R, C++, React, JS, postgresSQL

Developer Tools: Tableau, Google Colab, Visual Studio, Jupiter notebook, GitHub

Libraries: Pandas, Sklearn, NumPy, Matplotlib, Seaborn, Statsmodels, Nltk

Languages: Native Spanish, English Bilingual Proficiency, German Limited Working Proficiency