Jairo Nicolás Gómez Mendoza

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EDUCATION

Universidad de los Andes, Systems and Computing Engineering   **Bogotá, Colombia**
Graduation Date: April 2025

Relevant coursework: Data Structures & Algorithms, Databases SQL, Web Programming, Natural Language Processing, Software Architecture, Mobile Development, Design and Analysis of Algorithms.

PROJECTS

Web App Tournaments (JavaScript)   Jan. 2024 - Present
- Using React on the frontend and NestJS on the backend with interaction to a PostgreSQL database via TypeORM, created a web application enabling business administrators to publish tournaments information, and athletes to register and participate.
- Served students from the Web Programming class as a guide for their own web projects. Still in development for thesis and entrepreneurship purposes.

Mobile App Instagram (Flutter)   Aug.2023 – Dic. 2023
- Used Flutter and Dart with Firebase as the database for creating a mobile application similar to Instagram, where users could upload and view photos posted on a wall divided by categories, and chose which category upload the photos to. Implemented architectural patterns like Bloc for state and event management and CLEAN architecture as the software design.
- Increased communication and teamwork within a 6-member team to successfully complete the project by facilitating project communication and coordination of tasks.

Sentiment Classifier (Python)   Sep. 2023 –Oct.2023
- Used scikit-learn, matplotlib and Nltk to create a sentiment classifier (positive/negative) within a dataset of reviews by categories, by preprocessing the initial corpus, using Logistic Regression and Naive Bayes algorithms to classify, and testing the results with f1 score, accuracy, precision, and recall.
- Served as introduction and in the comparison of results with neural networks for the same task and later for understanding architectures such as transformers for natural language processing tasks.

EXPERIENCE

Tutor (Web Development Course)   Aug.2023 – Present
- Guided and enhance students' skills in carrying out React and NestJS software projects by providing feedback on their deliverables, grading their workshops, and addressing their doubts. Assisted the professor in grading exams and analyzing students' deliverables.
- Leveraged and improved dynamics of the class by changing deliverables to be a more proactive and interesting course.

Personal Business (FBA Amazon Seller)   Aug 2021- Dic. 2023
- Leaded a team of 3 people, selling items through Amazon using the FBA program.
- Guided the team to succeed in the shipping, promotion, marketing, and selling of the products using concepts related to e-commerce and automatization of process.

SKILLS

- Python, JavaScript, Dart, Flutter, React, NestJS, PostgreSQL, Git, Scikit-learn, Pandas.