Juan David Sanchez Murcia

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ABOUT ME

I am a graduate in Computer Science from the Universidad Nacional de Colombia, with a strong background in programming, data analysis, and predictive modeling. My focus is centered on applying these skills to create high-impact solutions for real-world problems through analytics and artificial intelligence. My communication and teamwork abilities enable me to effectively collaborate with colleagues from different disciplines, facilitating mutual understanding and the achievement of shared goals. I am seeking opportunities where I can contribute to societal progress through technology, being part of an innovative team that makes a difference in addressing current and future challenges.

EDUCATION

Undergraduate degree in Computer Science, Universidad Nacional De Colombia | Bogotá, Colombia

Academic GPA: 4.3/5   Graduation Date: Oct 2023

Relevant Courses: Introduction to Machine Learning, Introduction to Artificial Intelligence, Introduction to Optimization, Database Analysis, Algorithms.

WORK EXPERIENCE

Big Data Internship- Accenture   Jan 2023 – July 2023

- Developed data loading processes in a Data Lakehouse architecture, ensuring data efficiency and quality.
- Assisted in the development of a PowerApps application and Power Automate workflows to optimize and automate tasks, increasing team productivity.
- Actively participated in the successful implementation of the solution for the client (MDS-Ecopetrol), collaborating with various departments and groups to ensure project success.

Student Assistant- Universidad Nacional de Colombia   September 2022 – March 2023

- Developed code to analyze and visualize data related to sugarcane, leveraging data science techniques and tools in Python (matplotlib, pandas, seaborn).
- Created machine learning models to predict sucrose values in sugarcane, improving decision-making and optimizing agricultural processes.
- Assisted in writing a scientific article on the intersection of data science and sugarcane, contributing to the knowledge and advancement of the field.

SKILLS

- **Programming Languages:** Python, SQL, Java.
- **Technologies:** Data science libraries (scikit-learn, numpy, pandas, matplotlib, etc), Power Bi, Excel, Databricks, Latex, Git, Power Automate,
- **Languages:** Spanish (native) and English (B2).

CERTIFICATIONS

- **Introduction to Machine Learning: Supervised Learning,** University of Colorado Boulder, April 2023.
- **Lakehouse Fundamentals,** Databricks, January 2023.
- **Excel Skills for Data Analytics and Visualization**, Macquarie University, August 2022.
- **Managing Big Data with MySQL,** Duke University, June 2022.
- **Deep Learning Bootcamp**, DPhi, April 2022.
- **Applied plotting, Charting and Data Representation in Python**, University of Michigan, September 2021.
- **Introduction to Data Science in Python**, University of Michigan, June 2021.