

ANDRÉS FELIPE GÓMEZ CAMELO

Data Engineer

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PERFIL PROFESIONAL

Mechanical Engineer with an analytical mindset and a growing background in Data Engineering. Strong foundation in SQL, data integration, and database management. Skilled in data handling, development of structured datasets, and ensuring compliance with quality standards. Experienced in the extraction, transformation, and transfer of electronic files, optimizing workflows for greater accuracy and efficiency. Collaborative with cross-functional teams to meet technical requirements and improve data quality. Bilingual (Spanish and English), detail-oriented, and adept at problem-solving and adapting to dynamic environments.

PROFESSIONAL EXPERIENCE

Mechanical Engineer – Wood Engineering and Consultancy Colombia S.A.S.

Jun 2023 - Nov 2024 | Bogotá, Colombia

- Supported engineering projects in the oil and gas sector by organizing and managing technical data for simulations and documentation related to the design and procurement of mechanical equipment for the LBCC Ecopetrol Project at the Barrancabermeja refinery.
- Optimized data integration flows, reducing inconsistencies by 30% and improving simulation accuracy.
- Developed automated data pipelines using SQL and Python, cutting manual processing time by 40%.
- Collaborated with engineering, procurement, and project management teams to ensure smooth information flow.
- Created technical documentation and data governance frameworks, enhancing traceability and compliance with industry standards.

Procurement Intern – Alpina

Jul 2022 - Dec 2022 | Sopó, Colombia

- Contributed to operational process optimization through data analysis and reporting, focusing on inventory and - spare parts data management for machinery.
- Monitored KPIs related to spare parts requests to improve operational efficiency.
- Managed and organized nationwide inventory data, ensuring accuracy for decision-making and supply chain processes.
- Collaborated with various functional areas to validate data and generate reports supporting continuous improvement.

EDUCATION

Bachelor's Degree in Mechanical Engineering

Escuela Colombiana de Ingeniería Julio Garavito, 2022.

Certifications and Additional Training

Google Data Analytics Professional Certificate / 146 hours / Google Career Certificates (Coursera) / 2025.

Python for Everybody Specialization / 77 hours / University of Michigan (Coursera) / 2025. (In progress)

Advanced Excel Diploma with Introduction to Power BI / 100 hours / Escuela Colombiana de Ingeniería Julio Garavito / 2024.

Artificial Intelligence Course / 50 hours / Universidad Distrital Francisco José de Caldas / 2024.

Oracle Next Education Scholarship – Data Science Track (In Progress).

Professional Programming from Scratch – Udemy (In Progress).

TECHNICAL SKILLS

Programming & Databases: Python, JavaScript, R, SQL, MySQL, BigQuery.

Data Analysis: Power BI, Power Query, Tableau, Pivot Tables, Advanced Excel, Google sheets, Relational Databases.

AI Tools: Basic applications and general principles.

SOFT SKILLS

Complex problem-solving.

Leadership in teams and projects.

Critical thinking and innovation.

Effective communication and cross-functional collaboration.

LANGUAGES

Spanish: Native.

English: Upper-Intermediate (B2 – CEFR), with professional use in technical documentation and collaboration with international teams.