Armando De La Hoya Lazalde

Data Analyst

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Education

- B.S. in Chemical Engineering, Instituto Tecnológico de Durango
- **Certificates:** Azure Fundamentals (AZ-900), Google Data Analytics
- **Notable Coursework:** Data Scientist Diploma at Skills.tech, Data Science & IoT Diploma, Programming Essentials in Python by Cisco, Excel Skills for Business by Macquarie University

Experience

- **Internship resident – Unidad de Posgrado y Desarrollo Tecnológico** (Jan 20 – Jan 21)
  - Research project deveploment "Adsorption studies of methylene blue in carbon obtained from residual biomass"
  - Experimental designs, analysis, and data interpretation
  - It was possible to increase the adsorption capacity by 80%, measured through an adjustment model of experimental data, modifying the pH of the solution.

Projects

- **México City mobility**
  - Exploratory analysis of México City mobility data in Python with pandas, plotly and seaborn libraries.
  - A series of objectives and questions were defined to analyze the flow of users over a time period.
- **Sales Management Dashboard**
  - Building a sales dashboard with Power BI in response to stakeholder needs.
  - Data clean and transformation in SQL and the respective model was built in Power BI.
  - Good visualization practices were performed.
- **Nashville Housing data cleaning**
  - Study case focus on data cleaning using SQL queries realized in Azure Data Studio.
  - Following tasks were complete: populated missing data, split data into new columns, removed unnecessary columns and some data exploration to find useful insigths.

Technical Skills

- **Programming Languages:** Python, R
- **Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Plotly
- **Databases:** PostgreSQL, SQL Server
- **Tools:** Jupyter Notebook, Excel, Power BI, Visual Studio Code, Azure Data Studio

Others

- **Languages:** English (B1 level)
- **Soft Skills:** Technical Thinking, teamwork, problem solving, curiosity