

# JUAN JOSÉ GUEVARA

## Skills

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- SQL (MySQL, PostgreSQL)
- Python (Pandas, NumPy, Matplotlib)
- Tableau
- Machine Learning (Regression and classification models, accuracy metrics, fine-tuning)
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- AWS (CloudWatch)
- Power BI
- Grafana

## Projects

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### DATA SCIENCE IT SALARIES EDA – Personal Project – Philadelphia, PA

- Analyzed +3000 IT job listings using **SQL** and **Python** to gain insights into the most valuable jobs.
- Compiled and visualized the data using **Tableau** to create a professional report.

### DATA VISUALIZATION COVID TRACKER – Personal Project

- Analyzed global COVID statistics using **Python Pandas** and **numpy** and identified key insights related to vaccination rates.
- Developed a visual tracker using **Tableau** to effectively visualize the data and monitor trends over time.

### AIR CONDITION PREDICTION – ML CLASSIFICATION MODEL – Personal Project

- Performed air condition analysis on +10,000 rows of raw data using **Pandas** and **numpy**.
- Developed a **RandomForestClassifier** model with an accuracy of 83% using **train\_test\_split** and **GridSearchCV** tools from **sklearn**.

### HOUSE PRICE – ML REGRESSION MODEL – Personal Project

- Analyzed over 2,000 rows and 20 columns of raw data from a house pricing database using **numpy** and **matplotlib**.
- Visualized data with **Python** to identify **insights** and **correlations** between variables.
- Built and **fine-tuned** four regression models (**Linear**, **Lasso**, **Random Forest**, **Gradient Boosting**) with a pipeline that compared model performance using **Score**, **MAE**, and **MSE**.
- Achieved up to 85% accuracy by fine-tuning Random Forest and Gradient Boosting models.

## Work Experience

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### PRODUCT DATA ANALYST TRAINEE – Boehringer Ingelheim

November 2022 - Present

- Designed and implemented **operational dashboards** in **AWS CloudWatch** for monitoring **key metrics** and resources as a member of the EKG team.
- Integrated **AWS API** with **Grafana** to merge **PostgreSQL** database with **AWS CloudWatch Logs Insights**, resulting in a product-focused dashboard.
- Developed a workflow using **GIT**, **Terraform**, and **AWS CLI** to ensure continuous updating of operational dashboards.
- Contributed to defining **KPIs** and **user stories** for **SCRUM** sprints in **Jira Kanban Board** and later documented them in **Confluence**.

### DATA ANALYST – ES Puengasi

October 2018 – April 2022

- Conducted data analysis using **MySQL**, **Jupyter Notebooks (Python)** and **Power BI DAX** to identify trends, patterns, and insights across multiple data sources.
- Presented operational reports, dashboards, and visualizations in **Tableau** to effectively communicate insights to management and cross-functional teams.

## Education

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**MASTER – BIG DATA AND ANALYTICS** – EAE Business School – Barcelona, Spain

**MASTER – MBA** – IDE Business School – Quito, Ecuador