

# Luis E. Vivar

## [ AI / ML Engineer ]

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### SKILLS

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- **Programming Languages:** Python, R, JavaScript
- **Libraries & Frameworks:** AI, LLMs, Fine Tuning, Diffusion Models, Gen AI, SQL, Pandas, Numpy, Matplotlib, Seaborn, Folium, PyTorch, SciKit-Learn, React, Google Cloud Platform, AWS, APIs, GIT, GitLab

### RELEVANT WORK EXPERIENCE

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#### **Software Engineer, Front End** | Juvare - Atlanta, GA ( Aug. 2022 - Present )

- Handle relational and non-relational databases in **SQL** Server data.
- Leverage company fine-tuned **LLMs** to improve performance and decision-making processes.
- **Develop web apps and interfaces** for federal agencies to handle their **databases**.
- Collaborate with data teams to structure and **query large datasets** for optimized reporting.
- Integrate rest **APIs** to optimize **data exchange** between internal and client systems.

#### **Front End Engineer** | The 3RD Eye - Miami, FL ( Oct. 2021 - Dec. 2022 )

- Developed **data-driven web applications** to enhance **marketing analytics** and visibility for clients.
- Integrated **APIs and data pipelines** on structured / unstructured data to improve applications' functionality.
- Leveraged **JavaScript (React, Node.js)** and **SQL databases** to query and display business insights.
- Implemented **data visualization** tools and dashboards, translating complex data into actionable insights.

#### **Front End Developer** | Dan Marino Foundation - Ft. Lauderdale, FL ( Aug. 2020 - Sep. 2021 )

- Deployed a secure **donations portal with data validation**, improving transaction efficiency by 78%.
- Leveraged **analytics tools** to track user behavior and optimize retention on the main web portal by 24%.

#### **Web Developer** | Cardone Training Technologies - Aventura, FL ( Aug. 2018 - Aug. 2020 )

- Applied **statistical analysis** and **visualization techniques** using Python libraries (e.g., Pandas, Matplotlib) to generate business insights.

### EDUCATION

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#### **Master of Science in Data Science** | University of Colorado Boulder ( 2022 - 2024 )

#### **Bachelor of Arts in Data Visualization** | Instituto Técnico Universitario IGAD ( 2011 - 2015 )

### PROJECTS

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#### **SpaceX Mission Outcome Analysis and Prediction** | IBM Applied Data Science Certificate ( 2024 )

Analyzed SpaceX launch data to determine **key factors** influencing mission success rates. Conducted **exploratory data analysis (EDA)** to uncover insights about launch trends, success rates by location, and payload impacts. Designed and implemented **machine learning models** to predict launch success probabilities.