Luis E. Vivar

[AI / ML Engineer]

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SKILLS

- **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

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%.

UI/UX 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

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

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.