

Luis E. Vivar

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AI Engineer with extensive software engineering experience and a strong foundation in data visualization and analytics. Successfully integrated NLP techniques, reducing incident response times by 42% and enhancing federal resource mobilization. Skilled in leveraging fine-tuned LLMs to improve data-driven decision-making, aiming to apply expertise in AI to drive innovative solutions.

SKILLS

- **Programming Languages:** Python, R, JavaScript
- **Libraries / Frameworks:** AI, LLMs, Fine Tuning, Prompt Engineering, Diffusion Models, Gen AI, SQL, Pandas, Numpy, Matplotlib, Folium, Seaborn, PyTorch, SciKit-Learn, Google Cloud Platform, AWS, Rest APIs, Machine Learning, Data Visualization

RELEVANT WORK EXPERIENCE

Software Engineer || Juvare - Atlanta, GA (Aug. 2022 - Present)

- Integrated NLP auto-tagging & geospatial heat-maps for federal client, cutting incident “need-to-action” time 42% (4.8 h → 2.8 h) and speeding federal resource mobilization by ~30%.
- Leveraged fine-tuned LLMs to enhance performance and data-driven decision-making processes.
- Built USCP’s coordination system for the presidential inauguration, enabling real-time crowd updates that improved route decisions by 15% and supported a zero-incident operation.

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

- Delivered 5 custom analytics dashboards that increased client campaign ROI by an average of 23% within three months.
- Built ETL pipelines with Apache Airflow, ingesting 3 TB of social-media and web-scraped data nightly, reducing data-prep time from 6 hours to 30 minutes.
- Optimized 20+ SQL queries, achieving 30% faster page loads (under 2 seconds) and driving a 15% increase in user engagement.

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

- Implemented a custom event tracking to uncover churn segments; UI refinements raised the repeat-donor rate to 9% and increased the average donation size from 15 to 19 USD.

UI/UX Developer || Cardone Enterprises - Aventura, FL (Aug. 2018 - Aug. 2020)

- Created weekly KPI dashboards for 30+ sales reps; insights drove a 12% increase in quarterly training-subscription revenue (approx. 250,000 USD).

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)