VANESSA TRUJILLO

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Skills

R, Python, Stata, SAS, SQL, Git & Version Ctrl, Postman, SFTP, Jira, Salesforce Einstein, Generative AI, LLM, NLP, APIs, PyTorch, Deep Learning, Data Visualization, Machine Learning Algorithms, Probability Theory, Neural Networks, Docker, Distributed Computing, AWS

Projects

Fine-Tuning on a Foundation Model   **Github Repo**
- Implemented PEFT (Parameter-Efficient Fine-Tuning) technique, unfreezing all model parameters after initial training for adaptability to specific tasks.
- Utilized distilbert-base-uncased as the base model for both initial training and fine-tuning.
- Employed Trainer class from Hugging Face transformers library for evaluation, with "epoch" strategy for periodic evaluation including loss, accuracy, runtime, and other metrics.
- Fine-tuned the model on a subset of rotten_tomatoes dataset using LoRA config, preprocessing it with distilbert-base-uncased tokenizer for optimal performance.

OpenAI Custom Chatbot   **Github Repo**
- Developed a custom chatbot project using OpenAI API, allowing for dynamic conversation on nearly any topic sourced from Wikipedia. Utilized Wikipedia as the dataset due to its extensive coverage of various subjects, providing rich content for chatbot responses.
- Implemented data wrangling techniques to preprocess text data from Wikipedia, ensuring its suitability for training and inference.
- Demonstrated the chatbot's performance with predefined questions about the Moon, showcasing its ability to provide informative responses sourced from Wikipedia. Custom question operation also handled.

Work Experience

Duetto Research – **Las Vegas, Nevada - Remote**   June 2021 – January 2024
Deployment Project Lead
- Spearheading LATAM accounts as the Main Deployment Project Lead. Utilizing SalesForce, Jira, Postman, Cyberduck, Google Suite, and Google Tag Manager to manage projects and tasks effectively.
- Coordinating and managing 60+ accounts and over 100+ hotels, integrating Duetto into various Property Management Systems, Channel Managers, and Rateshoppers. Successfully achieving revenue recognition of $1,000,000+ ARR.
- Configuring data imports and troubleshooting issues, overseeing web analytics implementation

Healthcare Startup - **3iyeda.com**
Lead Project Manager
- Led cross-functional teams to develop and implement AI-driven solutions for automating medical prescription and procedure submissions. Collaborated with IT and development teams to customize solutions based on the unique needs of medical and dental practitioners.
- Implemented monitoring tools to track system performance, identify trends, and address any deviations from expected outcomes.
- Prepared regular progress reports and presentations for management and stakeholders, highlighting accomplishments, challenges, and future initiatives.

Ai Design Corps™ – **New York, New York - Remote**   January 2020 – January 2021
Project Manager, Project Li
- Contributed to the mission of preventing COVID-19 contraction by scaling access to scientific information.
- Led project tasks delegation based on team members' strengths, skill sets, and experience levels.
- Tracked project performance and analyzed Twilio Data exports to create reports and dashboards.

Ameren – **St. Louis, Mo**   March 2019 – January 2020
Application Developer, APIs
- Developed, tested, debugged, and documented programs while maintaining application interfaces, reports, and custom functionality.
- Migrated 37 CRM REST APIs to a standardized dynamic version and created reports and dashboard visualizations through Salesforce training.
- Participated in agile methodologies and training, gaining proficiency in Salesforce, MuleSoft, Maven, Confluence/Jira, Postman, Anypoint Studio, JavaScript, DataWeave, and Oracle SQL Developer.

Education

Generative AI Nanodegree, *Udacity*   April, 2024
Cert. Machine Learning Foundations for Product Managers, *Duke University*   September 2023
Bachelors of Science, Mathematics, *University of Illinois, Chicago*   December, 2019