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March 28, 2025

Unknown Company  
Unknown Location

Dear Hiring Manager,

I am writing to express my interest in the Data Scientist, Product Analytics position at Meta. As a passionate Data Scientist and Machine Learning Engineer with a Master's degree from the University of California, Berkeley, I have a deep understanding of leveraging data to drive product development and business growth. I am intrigued by Meta's commitment to creating immersive experiences that push the boundaries of technological innovation.

In my current role as a Data Science Intern at VIP.com, I led the integration of the DeepSeek RAG zero-shot classifier, achieving an impressive 98% accuracy in predicting return responsibilities. This project strengthened my skills in using multimodal embeddings and FAISS, which are critical for understanding user behaviors and long-term product trends. This experience aligns with the requirements for this role at Meta, where I can apply my skills to shape product development and quantify new opportunities.

Previously, as a Business Analyst Intern at Amazon, I engineered a distributed LightGBM forecasting model on AWS SageMaker. This initiative significantly improved forecasting accuracy to a 5.2% MAPE, ensuring informed demand planning decisions. This experience underlines my ability to apply technical expertise with quantitative analysis, data mining, and data presentation to develop effective product strategies.

My proficiency in Python, PyTorch, TensorFlow, HuggingFace, AWS, and SQL, coupled with my ability to communicate data-driven stories, will allow me to be a valuable addition to your team. I am particularly drawn to Meta because of its ambitious mission to connect, find communities, and grow businesses through advanced technology. I believe that my background and skills uniquely qualify me for this role, where I can continue to push the boundaries of what is possible with data science.

Thank you for considering my application. I would be thrilled to discuss how my expertise aligns with Meta's data-driven objectives and I am eager to contribute to shaping the future of your product suite.

Sincerely,

Zikai (Kerry) Liu