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Dear Hiring Manager,

I am writing to express my interest in the Machine Learning Engineer position at Articul8 AI that was recently advertised. As a Machine Learning Engineer and Data Scientist with an MEng degree in Industrial Engineering & Operational Research from the University of California, Berkeley, I am confident that my expertise aligns with the qualifications you are seeking.

In my previous role as a Data Science Intern at VIP.com, I led the integration of the DeepSeek RAG zero-shot classifier, achieving a remarkable 98% accuracy in predicting return responsibilities. This accomplishment was largely due to my proficiency in PyTorch and my ability to harness the power of multimodal embeddings and FAISS. I believe these skills would transfer seamlessly to the work at Articul8 AI, specifically in building pipelines of data collection, extraction, and analysis.

In addition, I have hands-on experience in managing large stateful distributed systems and data processing. A testament to this is my successful engineering of a distributed LightGBM forecasting model on AWS SageMaker during my time at VIP.com. This significantly improved forecasting accuracy and streamlined database integration for informed demand planning decisions.

I am particularly drawn to Articul8 AI due to its innovative approach to leveraging machine learning for domain-specific models. I am excited by the prospect of working with a forward-thinking team to create and implement cutting-edge machine learning technologies.

In conclusion, my technical expertise, coupled with my problem-solving skills and attention to detail, make me a strong candidate for this role. I would love the opportunity to contribute to Articul8 AI’s continued success and explore how I can drive further improvements in data quality and model training.

Thank you for considering my application. I am eager to further discuss how my skills and experiences align with the Machine Learning Engineer role at Articul8 AI in an interview.

Sincerely,

Zikai (Kerry) Liu