Dear Hiring Office,

Numerade

I am writing to express my strong interest in the Fall/Winter 2023 internship opportunity at Numerade as advertised. With a solid academic foundation in Computer Science and Artificial Intelligence, hands-on experience in Machine Learning (ML), and a passion for tackling complex challenges, I am excited about the opportunity to contribute to Numerade's innovative ML team.

As detailed in my resume, I am currently pursuing my Master of Science in Computer Science with a specialization in Artificial Intelligence at the University of Southern California, where I have maintained a stellar academic record. My coursework has equipped me with a deep understanding of ML principles, and I have actively applied this knowledge in practical projects and research.

During my academic journey, I gained hands-on experience with leading Large Language Models (LLMs) such as GPT-3 and GPT-4, pivotal in driving advancements in natural language understanding and generation. Additionally, I have explored state-of-the-art prompting techniques, enhancing my ability to leverage LLMs effectively.

Furthermore, my proficiency in Python programming, demonstrated problem-solving skills, and experience in developing AI applications align well with the qualifications outlined in the job description. I am confident in my ability to articulate complex ideas clearly, both in verbal and written forms, a skill that is crucial for effective communication in a collaborative team environment.

In addition to my academic achievements, my research experience and projects have further prepared me for the challenges of the ML industry. As an Artificial Intelligence Researcher at the USC Information Sciences Institute, I played a pivotal role in developing a privacy-aware question-answering system for mental health risk assessment. This project required a deep understanding of ML models and prompted me to explore innovative solutions, resulting in a paper acceptance at ACL BioNLP '23. Moreover, my work on a Food Image to Recipe Generation pipeline showcased my proficiency in leveraging LLMs and earned my project recognition for its significant improvement over existing state-of-the-art models.

What excites me most about Numerade is the opportunity to work on cutting-edge technologies and contribute to building exceptional consumer products through Machine Learning. I thrive in environments that embrace ambiguity and change, as they drive innovation and evolution.

I am eager to bring my technical expertise, passion for ML, and adaptability to the Numerade team. I am confident that my skills align with Numerade's vision, and I am enthusiastic about the possibility of contributing to your company's success.

Thank you for considering my application. I look forward to the opportunity to discuss how I can contribute to Numerade's ML team and add value to your innovative projects during an interview. Please find my resume attached for your reference.

Sincerely,

Dhiraj Chaurasia