Dear Hiring Team,

Scale AI

I am writing to express my strong interest in the Machine Learning Engineering Role at Scale AI, as advertised. With a deep passion for machine learning, a solid educational foundation, and a track record of contributing to impactful projects, I am excited about the opportunity to join the Scale AI team and contribute to developing cutting-edge machine learning systems.

As outlined in my attached resume, I hold a Master's degree in Computer Science with a specialization in Artificial Intelligence from the University of Southern California. My educational journey has equipped me with a strong theoretical foundation and practical experience in various machine learning domains, including Natural Language Processing, Deep Learning, and Computer Vision. Additionally, my Bachelor's degree in Computer Science and Engineering from the National Institute of Technology Durgapur has given me a solid understanding of core computer science principles.

During my tenure as an Artificial Intelligence Researcher at the USC Information Sciences Institute, I had the privilege of working on projects that align closely with the responsibilities outlined for the Machine Learning Engineering Role at Scale AI. Notably, I developed a privacy-aware question-answering system for mental health risk assessment, leveraging advanced machine learning techniques and achieving a remarkable accuracy rate with minimal privacy tradeoff. I have also contributed to research in image-to-recipe generation, demonstrating a significant improvement over existing state-of-the-art models. Both papers are under publication, one at ACL BioNLP 2023 and the other at WACV 2024. Furthermore, I authored a research paper titled "Sea-Pix-Gan: Underwater Image Enhancement Using Adversarial Neural Network," which has been published and is available on SSRN. These experiences have honed my skills in designing, coding, training, testing, and deploying large-scale machine learning systems.

One of the main reasons I am drawn to Scale AI is its status as a leader in AI data and labeling solutions. I admire the company's commitment to advancing AI through high-quality training data and the impact it has on various industries. Joining the Scale AI team would not only be a professional milestone but also a personal one, as it would allow me to work at the forefront of AI data and machine learning.

In addition to my academic and research background, I possess a strong command of technical languages, including Python and C/C++, and I am proficient in popular machine learning frameworks such as TensorFlow and PyTorch. My expertise extends to software engineering, problem-solving, and analytical skills, all of which are essential for success in the Machine Learning Engineering Role at Scale AI.

I am enthusiastic about the opportunity to collaborate with Scale AI's multidisciplinary team and contribute to the ongoing development of machine learning and artificial intelligence solutions that advance the field. I am committed to applying my skills to solve complex challenges and drive innovation.

Thank you for considering my application. I look forward to the possibility of discussing how my skills and experiences align with the needs of Scale AI in greater detail. Please find my contact information below, and I am available at your convenience for an interview.

Sincerely,

Dhiraj Chaurasia

LinkedIn Profile: https://www.linkedin.com/in/dch239/

Phone Number: 213-871-9272