To whom it may concern

I am reaching out to convey my genuine enthusiasm for the Machine Learning Engineer position at SLB, as posted on your company's careers page. The opportunity to contribute to projects with a profound impact on people's lives greatly excites me, and I am confident that my skills and experiences uniquely qualify me for this role.

As a Ph.D. candidate in Applied Mathematics at the University of Houston, my academic path has provided me with a strong foundation in mathematical modeling, numerical development, and machine learning algorithms. Through completing coursework projects, I acquired fundamental knowledge and hands-on experience with a diverse range of classification, clustering, and spatial regression models.

As a research assistant at UH, I tackled 3D image processing and disease classification challenges in a medical study supported by Houston Methodist. Handling MRI and echocardiography images equipped me with insights into the complexity of raw data, inspiring exploration and development of data denoising techniques and strategies to enhance model robustness. Along my journey, I mastered well-established machine learning Python frameworks such as TensorFlow, scikit-learn, and like. In addition, the demands of extensive research led me to implementation of more advanced and custom models and techniques. Dealing with large datasets also gained me expertise in cluster and cloud computing utilizing workload managers, parallelization, and GPU computing.

As a computer vision engineer intern at Aikynetix LLC, I actively contributed to human pose and physical parameters estimation development. I got myself familiar with top-notch computer vision models, transfer learning, and various machine learning toolboxes such as mmlab, mediapipe, coreml, and so forth. I successfully worked within a team setting. My teamwork experiences have improved my communication and commitment to working together to reach common goals efficiently.

I'm confident my skills and experience can help Schlumberger reach their goals. I would be happy to further discuss my interest in the position. Please feel free to contact me anytime for an interview.

Sincerely,
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