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**To**  
Tesla,  
Human Resources

Dear Tesla Human Resources,

Dear Hiring Manager,

I am writing to express my strong interest in the Software Engineer, ML Infra, Dojo position at Tesla. As a Computer Science student at Georgia Tech specializing in Artificial Intelligence, I am excited about the opportunity to contribute to Tesla's cutting-edge machine learning infrastructure. My experience aligns well with the role's requirements, including strong programming skills in Python and C++, experience with PyTorch, and a solid understanding of modern machine learning concepts.

During my internship at TikTok, I optimized a large-scale causal inference codebase, reducing technical debt by 50%. As a Research Assistant at Georgia Tech, I implemented a resource scheduler for supercomputing infrastructure using SLURM, demonstrating my proficiency in system-level software and cluster management. I am particularly enthusiastic about the chance to work on Tesla's Dojo accelerator and collaborate with your team of experts to optimize and scale neural network training infrastructure.

Thank you for your consideration. I look forward to the opportunity to contribute to Tesla's mission.

Sincerely,  
Vedu

Best,

*V. Mallela*

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