Dinesh Chhantyal

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Hiring Manager
Together AI San Francisco, CA United States

Dear Hiring Manager,

I am writing to express my strong interest in the Engineering Intern position at Together AI. My journey with AI began in high school when I first encountered machine learning through a YouTube video about AlphaGo. Fascinated by how AI could master complex strategic games, I dove into Python programming and algorithm optimization, eventually leading to my current research on computational efficiency in prime number theory at ULM.

Currently maintaining a 4.0 GPA in Computer Science, I've focused on building scalable systems and optimizing performance. My research work on the Meissel-Lehmer algorithm demonstrated my ability to optimize computational methods, achieving efficient prime counting up to 10^{18} in $314,900$ seconds through parallel processing and algorithmic improvements - skills directly applicable to Together AI's focus on high-performance AI systems.

At ULM, I engineered a Python/MySQL ETL pipeline processing 10,000+ records, implementing data validation scripts that improved query speeds by 15%. This experience with large-scale data processing aligns well with Together AI's work on efficient inference and real-time monitoring systems.

My NoteMeet project showcases my ability to work with AI services and cloud infrastructure. Using AWS Lambda for serverless processing and integrating with AWS Transcribe, I built a system that efficiently processes and analyzes meeting data at scale - demonstrating my capability to work with AI-focused cloud platforms.

What particularly excites me about Together AI is your mission to advance open and transparent AI systems. Your contributions to projects like FlashAttention and Mamba resonate with my belief in the power of open-source innovation. Having led the Google Developer Group at ULM and grown its membership by 60%, I understand the importance of collaborative technical advancement.

I am particularly drawn to the opportunity to work on scalable, high-performance systems that power critical AI processes. My strong foundation in algorithms, experience with cloud services, and passion for AI technology make me an ideal candidate for this role.

Best regards,,

Dinesh Chhantyal

Resume