

# AMAN ZAVERI

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Dear Hiring Manager,

I am writing to express my enthusiastic interest in the AI SW Engineering - Intern position at Cerebras Systems. The opportunity to contribute to the Inference Core Model Bringup team, as described in the job posting, aligns perfectly with my passion for AI and my experience across the entire software stack. I am particularly drawn to the challenge of rapidly bringing up state-of-the-art open-source models on Cerebras CSX systems.

My experience in debugging performance and correctness issues, as highlighted in the responsibilities, would be directly applicable to this role. For instance, I engineered a tire-pressure system in C++ via HAL + AIDL with sub-second alerts and 99% reliability. This project required meticulous debugging of low-level code and a deep understanding of system performance, skills I am confident I can leverage to contribute to your team's success.

Furthermore, my work enhancing 30+ data handlers through async queues and lock-free buffers, resulting in a 45% throughput boost, demonstrates my ability to optimize code for maximum performance. I am also eager to apply my deep learning framework experience, gained through prototyping LLM features for personalized alerts and semantic course matching, to contribute to Cerebras' groundbreaking work in AI.

I am confident that my strong problem-solving skills, excellent communication skills, and genuine passion for AI make me an ideal candidate for this internship. I am excited about the prospect of working at Cerebras Systems and contributing to the advancement of AI technology.

Aman Zaver