

AMAN ZAVERI

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Dear Hiring Manager,

I am writing to express my enthusiastic interest in the ASIC Physical Design Intern position at Groq Inc, as advertised on your careers page. The opportunity to contribute to AI-driven automation for physical design flows at a company pushing the boundaries of computational architecture is incredibly exciting. Groq's commitment to innovation and a collaborative environment deeply resonates with my own values and aspirations.

My experience in developing automation scripts and working on AI/ML projects aligns perfectly with the responsibilities outlined in the job description. For instance, I automated event anomaly-detection pipelines using Selenium and PGVector, achieving a 75% reduction in processing time. This project demonstrates my proficiency in Python scripting, as well as my ability to leverage automation to significantly improve efficiency, a skill I am eager to apply to optimizing physical design flows at Groq. Additionally, my work architecting a route-aware fuel optimization widget using Kotlin and Java, enhanced by a graph-ranking engine, showcases my capacity to contribute to data-driven optimization solutions.

Furthermore, I possess a solid foundation in scripting languages, particularly Python and TCL, which I have employed across various projects. This includes developing Wi-Fi validation pipelines in Python/C++ integrated with Jenkins CI/CD, resulting in a 40% reduction in test time. I am also familiar with digital designs and have a foundational understanding of Verilog and System Verilog, which I am eager to deepen within Groq's cutting-edge environment.

My GitHub profile, which I have included below, provides further detail on these and other projects. I am confident that my skills, experience, and passion for innovative problem-solving make me an excellent candidate for this internship. I am eager to contribute to Groq's mission and further develop my expertise in ASIC physical design.

Aman Zaveri