**Mory Gharasuie**  March 23, 2025

mmoha014@odu.edu 📞 +1 757 287 1602

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SonicWall Co,

1033 McCarthy Blvd, Milpitas, CA, United States

**Dear Hiring Team,**

am writing to express my keen interest in the **Gen AI Development Internship** opportunity at SonicWall. As a **PhD candidate in Computer Science at Old Dominion University**, with an expected graduation by August 2026, I have focused my research and hands-on development work on **AI, machine learning, and large language models (LLMs)**—including several recent projects that directly align with SonicWall’s goals in token optimization, LLM experimentation, and cost-performance tradeoff analysis.

My academic and research experience has given me a strong foundation in **Python programming**, AI system development, and performance benchmarking. In my ongoing project **Pricer**, I built an autonomous price estimation framework that integrates **GPT-4o-mini with retrieval-augmented generation (RAG)**, a **fine-tuned LLaMA 3.1-8B model**, and traditional ML models. This work included deploying and evaluating the models based on **accuracy, response latency**, and cost efficiency—similar to what SonicWall aims to achieve with Bedrock-hosted LLMs. The system was also enhanced with **token-efficient input pipelines** and a custom agent architecture that selected the most effective combination of model responses, giving me firsthand experience in **token optimization strategies** and practical experimentation. I also led a project on **retrieval-augmented generation and embedding models** using **LangChain, LangGraph, HuggingFace open-source models, Dask, and vector databases**, which aligns closely with SonicWall’s current technology stack.

Throughout my PhD program and previous work, I have approached each challenge with persistence, a strong attention to detail, and a mindset driven by practical optimization—whether it’s reducing computational cost, boosting model accuracy. I believe that my academic experience, coupled with my hands-on projects, make me a good candidate to contribute meaningfully to SonicWall’s innovative AI initiatives.

Thank you for considering my application. I look forward to the opportunity to further discuss how I can support SonicWall’s efforts in developing cost-efficient, high-performance Gen AI solutions.

**Sincerely,**  
**Mory Gharasuie**