Hi,

I am excited to submit my application at Praetorian. With a Master of Science in Cybersecurity(Ongoing) and almost six years of experience as a Software Engineer at startups, I am confident that I have the skills and knowledge required to excel in this role.

As a software engineer,

● I have developed financial search engines, ranking frameworks, language model-based query classifiers, and indexing services.

● I am experienced in building and maintaining large-scale distributed systems, and I am fluent in coding with Golang and Python.

● My ability to develop products quickly will enable me to hit the ground running and contribute to the security of your applications from day one.

My passion for cybersecurity led me to pursue a Master of Science in the field, where I honed my skills in network security, cryptography, and malware analysis. Some of my projects included

● detecting DDoS and SYN-flood attacks in network dump files,

● breaking 1024-bit RSA encryption,

● analyzing malware using Ghidra.

This experience has given me a deep understanding of the importance of secure coding practices. In my current semester, I am taking Secure Computer Systems and Advanced Malware Design courses. These courses and projects develop my secure design skills further.

In addition to my academic experience, I have also conducted API security reviews in my previous role, where I learned to identify and mitigate potential security vulnerabilities. Furthermore, I have completed several projects using Ghidra, where I have gained valuable experience in reverse engineering and identifying security issues.

I am eager to work alongside experienced professionals and gain hands-on experience in areas such as vulnerability assessments, threat modelling, penetration testing, and incident response. I am committed to maximizing my learning potential during this internship and believe that the knowledge and skills I acquire will serve me well in my future career as a cybersecurity professional.

Sincerely,

Shubhra Srivastava

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