

Contact

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(LinkedIn)

Top Skills

Information Security

Security Operations (SOC)

Artificial Intelligence (AI)

Certifications

AWS Academy Graduate - Machine Learning Foundations - Training Badge

AWS Educate Introduction to Cloud 101 - Training Badge

AWS Educate Machine Learning Foundations - Training Badge

Karanveer Singh

Security Engineer | Building SOC Environments, SIEM (Wazuh), Cloud & AI-Driven Security

Greater Sudbury, Ontario, Canada

Summary

I am a Junior Security Engineer (New Grad) with hands-on experience in SOC operations, SIEM deployment, Windows Server hardening, and network security, complemented by applied work in privacy-first AI and locally hosted LLM systems. Through industry-aligned capstone projects and advanced academic training in cybersecurity and AI/ML, I have designed and implemented security monitoring frameworks, ISO 27001-aligned controls, and hardened enterprise environments using least-privilege principles. Alongside this, I build local, privacy-preserving AI systems—including LLM-powered applications and Retrieval-Augmented Generation (RAG) pipelines—focused on keeping sensitive data off the cloud. I have led multiple technical teams across cybersecurity and AI projects, acting as project architect, system designer, and implementation lead. My work emphasizes defensive security, system reliability, and responsible AI integration rather than hype or over-automation. Currently completing my Graduate Certificate in Artificial Intelligence & Machine Learning in Canada, I am seeking junior or new-grad roles in security engineering, SOC operations, or applied security-focused AI, where I can contribute immediately while continuing to grow as an engineer.

Core interests:

Defensive security · SOC & SIEM · Privacy-preserving systems · Local LLMs · Secure infrastructure · Applied AI for security

Experience

Spectrum Telecom Group Ltd.

Security & System Implementation Specialist (Capstone)

January 2025 - April 2025 (4 months)

Greater Sudbury, ON

In my role at Spectrum Telecom Group Ltd., I focused on implementing robust security measures and system configurations. I designed technical security

controls in line with ISO 27001 and deployed a Wazuh SIEM framework for effective threat detection. Additionally, I managed Windows Server infrastructure and firewall configurations to enhance network security and operational continuity.

Education

Cambrian College

Ontario College Graduate Certificate, Artificial Intelligence and Machine Learning · (September 2025 - April 2026)

Cambrian College

Ontario College Graduate Certificate, Cybersecurity · (September 2024 - April 2025)

Multani Mal Modi College, Patiala

Bachelor of Computer Applications, Computer Science · (August 2019 - August 2023)