

Future Trends in SRM: Machine Learning

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In an era where cyber threats are evolving rapidly, traditional security measures are no longer sufficient.

Machine Learning

Machine Learning (ML) stands at the forefront of revolutionizing Security and Risk Management (SRM), offering adaptive, predictive, and automated solutions to emerging challenges





The Escalating Threat Landscape

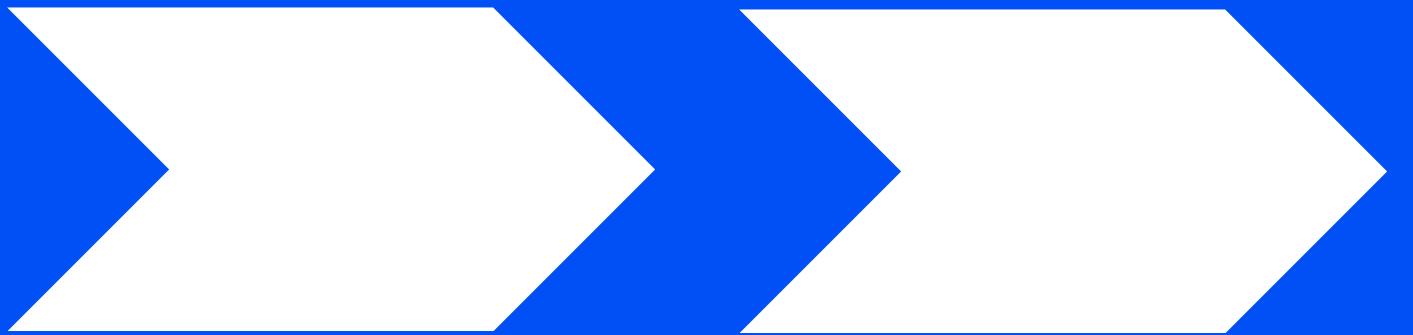
- Sophisticated Attacks (GCore, 2024)
- Insider Threats (Koli et al, 2025)

ML's Transformative Impact on SRM



- Proactive Threat Detection (Rezoud, 2025)
- Enhanced Risk Management (Resolver, 2023)
- Industry Use Cases:
 - Financial Sector (Business Insider, 2025)
 - Cybersecurity Firms (Alexis Garcia, 2025)

The Future Outlook



INTEGRATION OF DEVOPS, DEVSECOPS AND MLOPS

(TechRadar, 2025)

01

EDGE COMPUTING

Deploying ML models at the edge allows for real-time threat detection and response

02

ADAPTIVE SECURITY MODELS

ML adjust to evolving threats dynamically

03

NEXT-GEN SIEM/SOAR

correlate vast amounts of data, detect subtle attack patterns, and automate complex response playbooks

04

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thank
you

