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(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)NIDHI SHARMA
(33) Name of priority country	:NA	2)MONA DEVI
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(57) Abstract :

The present invention relates to a computer-based tool for detecting cybersecurity configuration errors. The system comprises a Centralized Monitoring System (101), an Intelligent Analytics Module (102), a Remediation Engine (103), Integration Interfaces (104), a Compliance Assurance Layer (106), and a Visualization Console (107). The invention continuously collects, analyzes, and normalizes configuration data to detect misconfigurations using hybrid rule-based and machine learning techniques. It further provides prioritized remediation, compliance validation, and integration with SIEM and SOAR platforms. The tool enhances resilience, ensures compliance, and proactively mitigates risks associated with configuration errors.

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