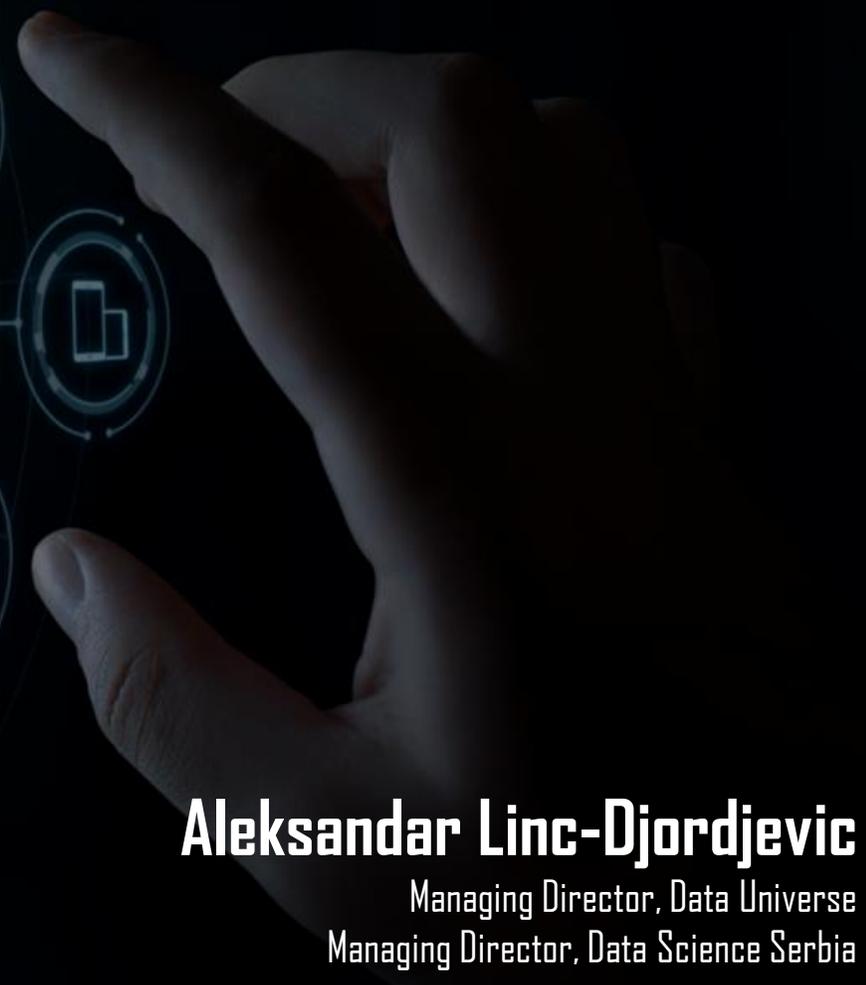


AI + cybersecurity _



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AI + cybersecurity

Security-focused AI

AI-powered Intrusion
Detection Systems

Risk assessments & threat
intelligence

AI & Fraud Prevention

CYBER SECURITY

Security-focused AI

- [1. Darktrace](#)
- [2. Cylance](#)
- [3. Vectra AI](#)
- [4. SentinelOne](#)
- [5. Cybereason](#)
- [6. McAfee MVISION](#)
- [7. Fortinet FortiAI](#)
- [8. Symantec Endpoint Protection](#)
- [9. Seif.ai](#)

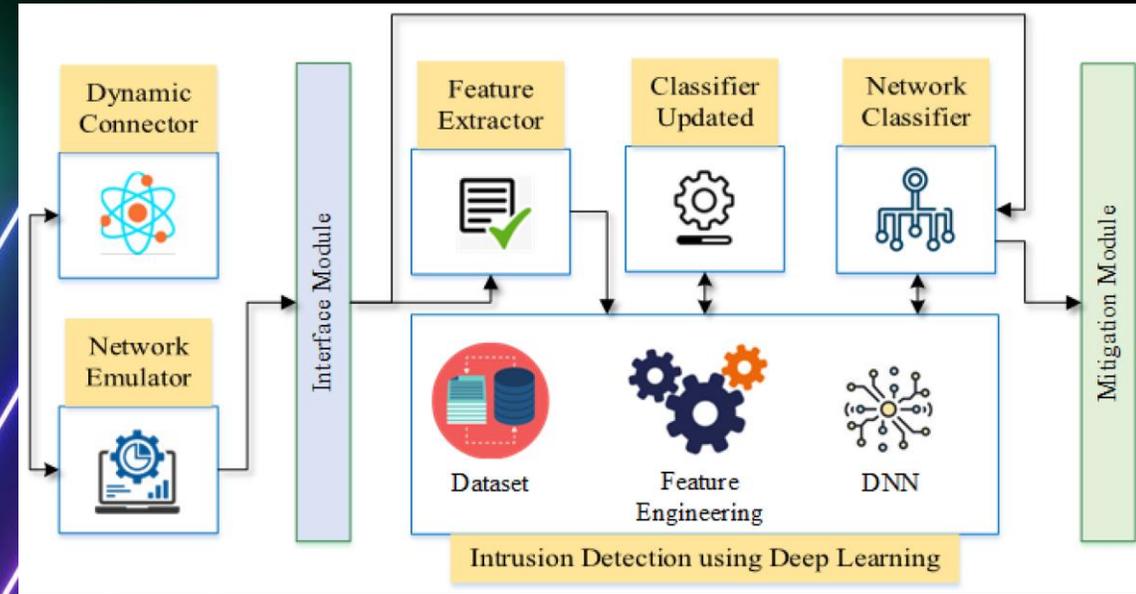
🛡️ Best AI Security Tools



DETECTING INTRUSION USING DL

RESPONDING WITH ANALYTICS-DRIVEN INSIGHTS

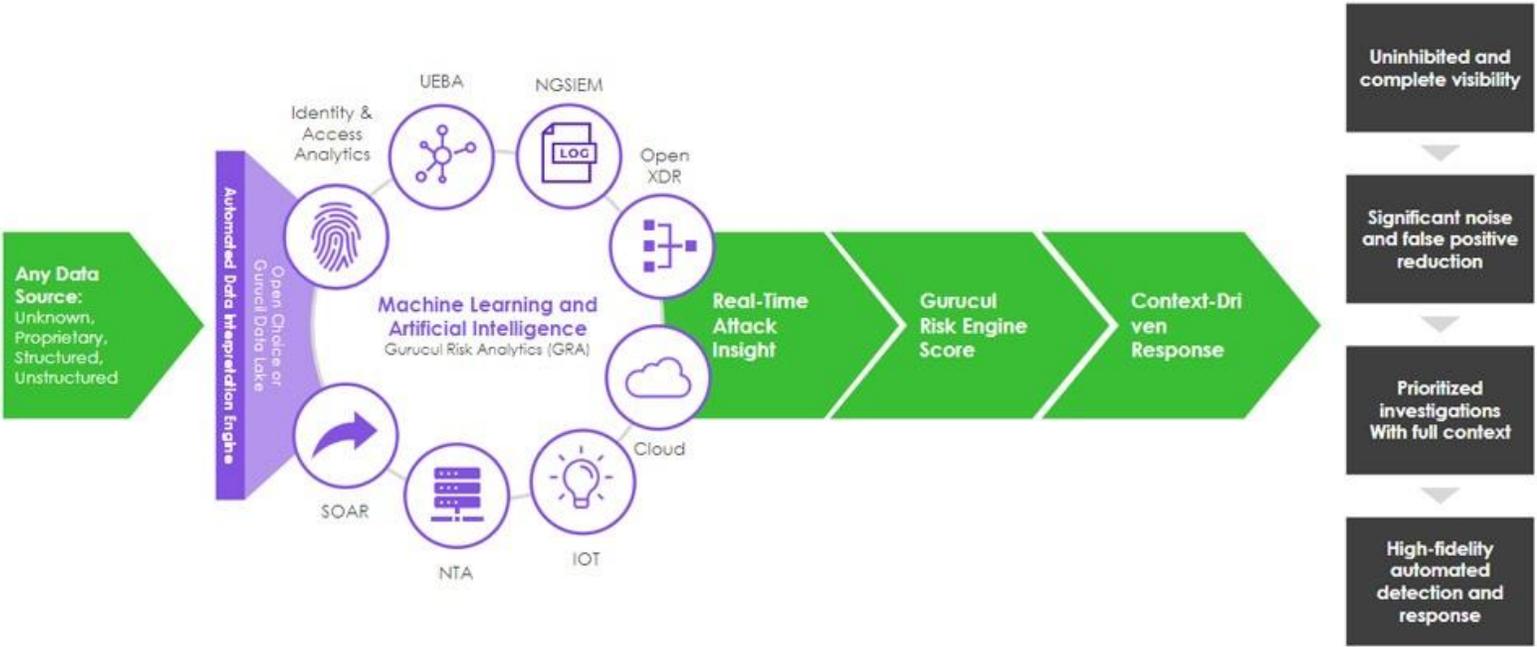
AUTOMATING SECURITY PROCESSES.



AI-powered Intrusion Detection Systems

Risk assessments & threat intelligence

- analyzing big sets of data, example is User and Entity Behavior Analytics (UEBA)



- process mining with AI, for looking at possible risk on the established process level

5 WAYS OF USING AI TO PREVENT FRAUD

1. Intuitively set fraud transaction monitoring thresholds
2. Detect groups of customers
3. Uncover instances of fraud using NLP
4. Provide alert prioritization
5. Detect anomalies

5 WAYS AI IS BEING USED FOR FRAUD

1. Combining real and fake data to create fake identities.
2. Forging passports and ID documents to circumvent identity verification and security procedures.
3. Conducting phishing scams at scale.
4. Voice cloning to redirect bank funds.
5. Creating deepfake videos for scams.

AI & Fraud Prevention

Critical System

Application Domain	Example Systems Typical	AI Uses
telecommunication infrastructure	public telephone network, local branch exchange	FA, ID
water supply systems	water treatment plant, dam control	FA, FS, PHM
electrical power systems	nuclear power plant, regional electrical grid	FA, FS, PHM, PO
oil and gas generation and distribution	gas pipeline, gas powered power plant	FA, FS, PHM, PO
roadway transportation systems	Smart interstate highway, traffic monitoring and control	FA, FS, PHM, PO
railway transportation systems	high speed train line, metropolitan train network control	FA, FS, PHM, PO
air transportation systems	air traffic control system network, passenger aircraft autopilot	FA, FS, PHM, PO
banking and financial services	pension fund management, stock market management	FD, ID
public safety services	air passenger screening, police dispatch	FD, ID, PO
healthcare systems	robotic surgery, healthcare record management	FD, ID, PO
administration and public services	employee personnel database, retirement management	FD, ID

Key -- FA: failure analysis, FD: fraud detection, FS: failsafe operation, ID: intrusion prevention and detection, PHM: system prognostics and health management, PO: Performance optimization

(cit. AI and Critical Systems From hype to reality Laplante, Penn State; Milojcic, Serebryakov, HPL; Bennett, NREL)

Generative AI + cybersecurity _

Generative AI, AI/ML, AI benefits/risks



BlackBerry Delivers Generative AI Cybersecurity Assistant

Dan Kobialka October 16, 2023



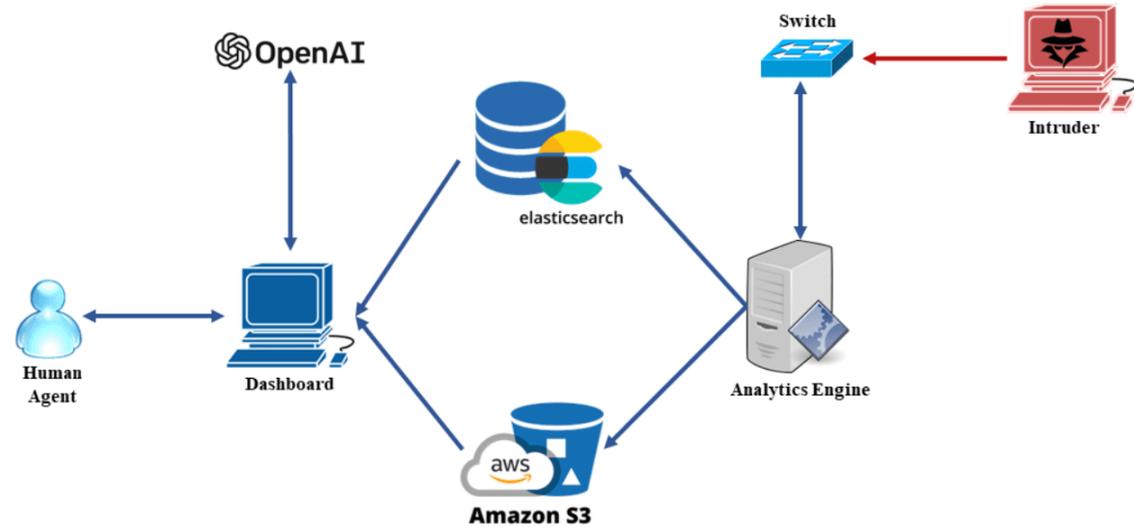
Credit: Getty Images

BlackBerry will provide security operations center (SOC) teams with a cybersecurity assistant that uses generative artificial intelligence (AI) to analyze cyber threats, according to the company.

The assistant, which will initially be released to a select group of Cylance AI customers, leverages private large language models (LLMs) to predict users' security needs, BlackBerry noted.

HuntGPT: Pioneering AI-Driven Intrusion Detection in Cybersecurity

October 3rd



AI + cybersecurity

Hvala!

CYBER SECURITY

A hand is shown on the right side of the image, pointing towards a futuristic digital interface. The interface features a central glowing blue circle with the text "CYBER SECURITY" inside. Surrounding this central circle are several smaller circular icons connected by lines, representing different aspects of cybersecurity: a padlock, a key, a database, a monitor, a laptop, and a document. The background is dark with a glowing blue light source at the top left.

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