Digital Threat Report 2024

Prelims – *Current events of national and international importance.*

Mains (GS III) – *Challenges to internal security through communication networks, role of media and social networking sites in internal security challenges, basics of cyber security; money-laundering and its prevention.*

Why in News?

India launches first Digital Threat Report 2024 recently.

- **Aim -** To address the escalating cyber threats faced by financial institutions.
- **Launched by -** Ministry of Electronics and Information Technology.
- **Collaborated with -** CERT-In (MeitY), CSIRT-Fin and SISA, a global Cybersecurity company.
- It highlights the critical need for a cohesive cybersecurity framework to safeguard the nation's financial infrastructure.
- The report addresses
  - Illuminate Adversaries' Playbook
  - Anticipate Future Attacks
  - Assess the Impact of AI in Breaches
  - Recommend Preventive and Detective Controls
  - Highlight Current Trends and Select Cases
- **Anticipated Cyber Threats in 2025**
  - Rise of deep fakes and AI-generated content
  - Growing threat of supply chain attacks and malicious libraries
  - Emerging threat of LLM prompt hacking in applications
  - Influence of adversarial LLMs enhancing attack capabilities
  - Quantum computing – A looming threat to cryptography
  - Crypto – A new frontier for cyber threats
  - IOT, the emerging threats to embedded devices.
- **Suggestions to Policy Makers**
  - Cybersecurity should be a techno commercial business decision and not just decided only on commercials
  - Digital Payment Security to have common standards for all Digital Payment Form Factors
  - Clear Preparation Roadmap for Post Quantum Cryptography
  - Empower CISOs through direct reporting to the CEO/CRO instead of CTO or CIO
  - Create more Certified Digital Payment Security Specialists in the ecosystem
  - Building a Responsible AI Framework for BFSI
- The report calls on financial institutions, regulators, and security experts to take a proactive stance in addressing cyber threats.

- As AI-driven attacks become more prevalent and compliance demands grow increasingly complex, the necessity for strategic direction in managing the cybersecurity environment is important.

References

1. [PIB | Digital Threat Report 2024](#)
2. [CSK Govt | Digital-threat-report](#)