

→ TOR -

It's a short for the onion Router is a privacy focused network that allows users to browse the internet anonymously. Works by encrypting and routing internet traffic thru a series of volunteer-run servers called nodes.

[Tor is not immune to attacks and several vul exists.]

• Comparing Tor with regular search engine

i) Privacy

ii) Anonymity

iii) Access to information

iv) Security

→ Deepfakes -

They are synthetic media created using artificial intelligence techniques, particularly deep learning.

It superimposes / replaces the original content that the user wants to replace it with.

• Detection of Deepfakes

- i) Detection Algorithm
- ii) Media Authentication
- iii) Education and Awareness
- iv) Regulation and legislation
- v) Authentication System

## → Types of Cyber Crimes

- Phishing
- Malware
- Identity Theft
- Cyber bullying
- Hacking
- Online Scams
- Data breaches
- Espionage
- Dos / DDoS
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## → Online Payment frauds -

They come in various forms - identity theft, account takeover, phishing Scams and card - not present fraud.

### Prevention -

- Strong Authentication
- Inclusion of MFA
- Encryption
- Fraud detection
- AVS - address verification system
- Tokens
- Awareness
- SPC
- Regular Updates
- Transaction Monitoring