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# CYBER SECURITY

*Unlocking visibility across OT, IoT, and IT for accelerated security and digital transformation*

[www.varatechnology.com](http://www.varatechnology.com) | An Infra Tech Venture





## ABOUT VARA

Vara Technology is a global software solution and services company with over 700+ resources that provide a comprehensive range of services catering to the Government, Law Enforcement & Intelligence Agencies, Defence (Army, Air Force, and Navy), PSU, Corporates, Banking, Financial Services and Insurance (BFSI) segment.

Empowered by a team of seasoned specialists, Vara's agile and collaborative approach in developing customised and revolutionary solutions help our customers derive maximum profits from their business.

Under the guidance of a highly skilled managing committee, we have etched a prominent place in the industry.

## CYBER SECURITY OFFERINGS

- Managed Security Services Provider
- Cryptocurrency Forensics Solution
- Threat Intelligence and Threat Hunting
- Operational Technology (OT) Security
- Advisory Services
- OSINT, WebINT & Darknet Solution
- Cyber Security Assessment
- Cyber Forensic
- Cyber Network Defence
- Facial and Voice Biometrics
- Cyber Security Training Academy

## INDUSTRIES WE SERVE

Corporates

PSUs

Law Enforcement Agencies

Defence & Intelligence

Labs & Manufacturing Units

Airports

BFSI

## MANAGED SECURITY SERVICES PROVIDER

Outsource your Cybersecurity infrastructure for around the clock monitoring with an integrated security ecosystem. Our Security Operations Center (SOC) is equipped to provide 24x7 management and monitoring services for Cloud, Hybrid or On-premise based cyber security solutions. Vara Information Security uses a combination of different technologies to deliver SLA based services.

- ✓ Advanced Data Protection
- ✓ Insider Threat Protection
- ✓ Application Security OnDemand
- ✓ Governance, Risk & Compliance Monitoring

## ADVISORY SERVICES

From the CEO and Board to the CISO and CIO, we speak your language. We help governments, enterprises and critical infrastructure operators navigate the intersection of cyber security and business processes. Our 360- view across the cyber security environment means we advise on everything from strategy and planning to compliance, architecture design, procurement and implementation.

We offer advisory services across a wide range of topics related to cyber security, including risk management, IT infrastructure and cyber defence in-depth.

- ✓ Strategic Advisory
- ✓ Cyber Resilience
- ✓ Information Assurance
- ✓ Business Efficiency

## THREAT INTELLIGENCE & THREAT HUNTING

Tracking, analyzing, interpreting and mitigating constantly evolving IT security threats is a massive undertaking. Enterprises across all sectors are facing a shortage of the up-to-the-minute, relevant data they need to help them manage the risks associated with IT security threats.

Our Solution cyber threat intelligence provides a value-add to cyber threat information, which reduces uncertainty for the consumer, while aiding the consumer in identifying threats and opportunities.

- Attacker management in lieu of indicator management.
- In-depth research into attackers instead of raw data analysis.
- Test your environment with an intelligence-driven Red team against TTPs of relevant threat actors.
- Timeline of attacks performed by relevant threat actors. Focused research and hunting.
- Protection against attackers rather than irrelevant or general threats.
- The most relevant data with up-to-date context.
- Deep analysis of tools and procedures matched with MITRE ATT&CK Matrix.
- Matrix of threat actors targeting you, your industry, and partners.

## CYBER SECURITY ASSESSMENT

Organisations are under continual pressure to protect themselves from Cyber threats. The Cybersecurity challengers exploit vulnerabilities by conducting ethically and process driven cyber risk assessments. This helps organisations to enable security and compliance in order to protect the valuable information.

At the same time, the requirements of compliance adherence are also demanded by different countries and vendor companies. ISO 27001, GDPR, NIST, etc. These are the standards and guidelines to ensure your information assets are well protected by appropriately implementing IT security controls.

### Assessment Services

Cyber Sleuths has a bucket of cyber threat assessment services to offer you different options to select from. Also, you can customise it based on your requirement in IT risk assessment.

- ✓ Vulnerability Assessment
- ✓ Penetration Testing
- ✓ Red Teaming
- ✓ Code Review
- ✓ Application Audit
- ✓ Phishing Exercise

## CYBER NETWORK DEFENCE

Sophisticated cyber threats and stealthy assaults perpetrated by attackers today exploit the immaturity of the fractured

nature of security solutions currently in use by many organisations. Cyber Sleuths' Cyber Network Defence division offers sophisticated active Defence solutions, including assessments, penetration testing, threat hunting, and incident

- ✓ Source Code Review
- ✓ Vulnerability Assessment
- ✓ ICS Security Assessment
- ✓ Threat Hunting
- ✓ Security Assessments
- ✓ Penetration Testing
- ✓ Cyber Incident Response
- ✓ Threat Intelligence & Malware Analysis

## CRYPTOCURRENCY FORENSICS SOLUTION

Cryptocurrencies have become a mainstream way to transfer value. However, because cryptocurrencies obscure real-world identities, criminals have used this technology to avoid detection. Proceeds from Darknet markets or hacked/stolen funds are often laundered through legitimate exchanges or mixing services. To ensure that cryptocurrencies are used for good, institutions need the ability to see what's happening on the blockchain and identify the bad actors from the lawful ones. This is where We play a central role. By providing cryptocurrency investigation and compliance software to leading institutions in this ecosystem, Chainalysis has become the common link between participants.

Cryptocurrency investigation software helps law enforcement and financial institutions identify and stop bad actors who are using

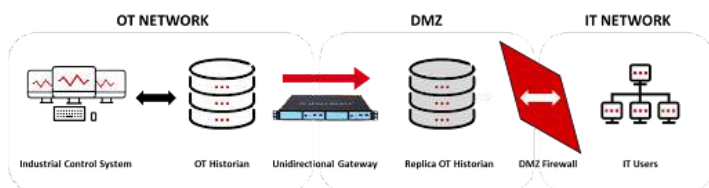


cryptocurrencies for illicit activity such as fraud, extortion, and money laundering. Blockchain investigations are made far simpler with the use of visualisation and address attribution databases. The tool provides an investigator with the ability to visualise and graph blockchain data, whilst simultaneously identifying known addresses and clusters.

- ✓ Conduct transaction analysis and recognise key patterns
- ✓ Apply techniques to identify services on the Bitcoin Blockchain
- ✓ Leverage open-source intelligence (OSINT)
- ✓ Trace the origin and destination of bitcoin
- ✓ Evaluate different categories of actors in the ecosystem
- ✓ Solve real-world case studies using a full-spectrum of techniques

## OPERATIONAL TECHNOLOGY (OT) SECURITY

CyberSleuths specialises in Industrial Control Systems and OT Security. CyberSleuths Solution has partnered with market leaders in the field to provide the most comprehensive ICS security solution offering based on the ISA99 / IEC-62443 standards. Working very closely with the vendors, CyberSleuths is able to translate the most complex of ICS security solutions into something that is practical, intuitive and complete.



OT Security Solution enables monitoring of industrial networks for operational needs without cyber risk. The gateways provide

network perimeter protection with a hardware enforced, physical barrier preventing remote attacks, malware, DOS attacks, ransomware and human errors originating on external networks.

### 1. SAFE IT/OT INTEGRATION

- Seamless IT/OT network integration without introducing Internet-based cyber threats

### 2. STRONGER THAN FIREWALLS

- An evolutionary alternative to firewalls in a strong preventative cybersecurity program for Industrial Control Systems

### 3. REDUCED DOWN-TIME

- Ensure operational continuity by preventing plant shutdowns and potential damage to plant assets, the environment and even human lives

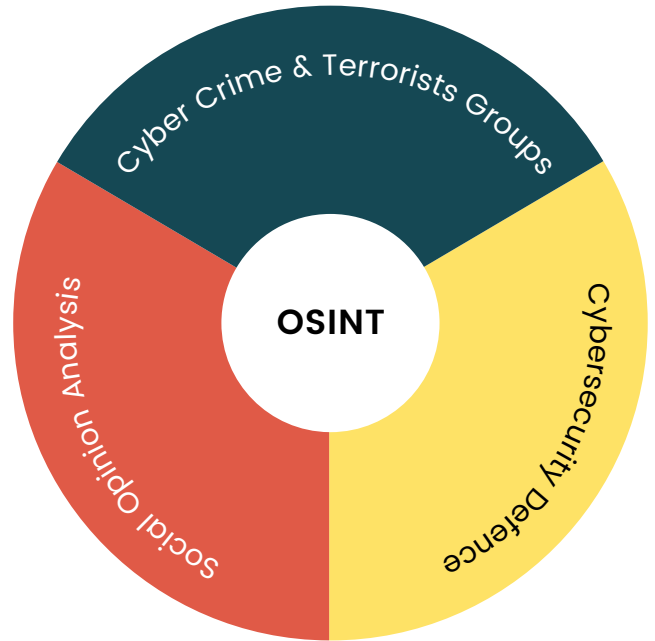
### 4. IMPASSABLE PHYSICAL BARRIER

- A Unidirectional Gateway is a combination of hardware and software preventing cyber threats from propagating back into the protected network

# OSINT, WEBINT & DARKNET SOLUTION

The Internet is the world's largest database. We offer the technology and knowhow to help you find the information you need amongst trillions of available documents with our OSINT Technology. We collect and analyse information from online sources. We can help you collect better data for improved analysis, intelligence and insights.

OSINT stands for Open Source Intelligence, and this means collecting information from openly available sources online. This includes data mining, various crawling techniques, data extraction, data washing and analysis.



## DIGGING DATA – FOR INFORMED DECISIONS

### Data Mining

OSINT Analytics delivers leading edge technology for data mining. The web is the world's largest database, and if the information is there, we can find it. Data is published in many forms, we offer technology to work with API's, web scraping, deep web crawling, RSS/XML feeds, and documents such as Excel, Word or Pdf documents.

### Data Analytics

Analytics helps us make informed decisions, instead of guessing. In order to achieve that we must first have the right data, second, the right analytics technique. We separate analytics in three categories:

- Classification
- Special Semantics
- Insight

## CYBER FORENSICS

We are specialized in Digital Forensics and Information Security Services Company. We help Enterprises to identify, prevent, detect, resolve, and protect their critical data from threats, crimes, frauds, and acts of terrorism arising due to vast proliferation and usage of Digital, Communication applications and artefacts in their personal and professional lives. We also provide assistance for legal enforcement to customers.

- Computer Forensics
- Mobile Phone Forensics
- Audio Visual Forensics
- Data Recovery & Analysis
- Social Media Forensics
- Incident Response
- Darknet Forensics
- Crypto currency Forensics

## FACIAL AND VOICE BIOMETRICS

Facial Recognition System is a state-of-the-art biometric solution designed for real-time face detection and recognition. Deep learning neural networks algorithms underlying the principles of Smart Tracker FRS operation boost security at crowded areas.

Facial Recognition System performs the facial recognition process by comparing facial features from given face images with face images within a database.

Face images can be previously uploaded to the database from any source: photographs, video recordings, scanners, web cameras, photo cameras, CCTV cameras, etc. Biometric search can be performed both in real time and on request.


Face recognition algorithms adapt to lighting conditions and do not depend on appearance modifications related to ageing, beard, hairstyle changes, etc.

FRS can be used for a wide range of potential applications:

## VOICE TO SECURE YOUR INFORMATION

Relentless competition requires customer remote services in almost any business. This approach allows companies to make their interaction with clients maximally efficient. On the other hand, the security level of transactions you perform tends to reduce. Thus, it is impossible to make sure that a customer is a person they claim to be.

### VOICE BIOMETRIC SOLUTIONS

 **Enables user verification during the conversation with the contact centre agent.**

- User identification in a background mode during the conversation with an agent;
- Can be applied for incoming and outgoing calls;
- 3-in-1 biometric solution.



### AIRPORTS & OTHER TRANSPORT HUBS

Detect and track suspects in real-time to immediately respond to potential threats and prevent panic

### CITY INFRASTRUCTURE

Search individuals through a database of wanted persons to create a safer environment

### STADIUMS AND OTHER SPORTS VENUES

Prevent blacklisted individuals from entering sporting events or concerts

## Enables to detect fraudsters among call centre callers

- Compares voices of callers with voices from fraud database in online and offline modes;
- Creates its own fraudsters list
- Instantly informs security services about potential threats.

## Enables customer verification by voice in IVR systems

- Works with static as well as with dynamic passphrase;
- Supports IVR systems of any size;
- Integration with the majority of IVR systems.

## Bi-modal verification to access to mobile applications

- Verification by voice and face for higher level of protection;
- Easy and quick way to access application without additional user actions;
- Supports Android and iOS.

# CYBER SECURITY TRAINING ACADEMY

Courses that we offer to the public, our clients and government departments focus on various areas of IT governance, risk, information security and cyber security. These courses vary in complexity and are tailored to suit any level of employee regardless of industry or organisation.

Our goal is to develop the Next Generation Cyber workforce. Our certified foreign and local Instructors bring great Industry experiences that not only helps students in understanding the training content but also allows mentorship in career advancement when/as applicable.

The course content is updated with the most recent developments in information security and Risk Management.

While our courses are focused towards achieving International recognised certifications, the Academy also offers customised training for corporate and Govt. organisations.



## SPECIALIST GOVERNMENT AND INDUSTRY TRAINING PROGRAMS

Training programs for the banking and government sectors. Based on specific industry or country needs, we are able to structure a course tailored to your specific requirements



## TAILORED TRAINING PROGRAMS FOR COMPANIES - EXECUTIVES OR OPERATIONAL AREAS

Focused cyber training courses (ranging from 1-4 hours in length) for board members and executives. We then run more detailed operational courses for line management and GRC/IT teams so that the entire management understands their role to support the organization.



# CYBER SECURITY

Vara Technology



## OUR TRAINING DOMAINS

- ✓ Cyber & Homeland Security
- ✓ Cyber Warfare & Operations
- ✓ Forensics & Investigations
- ✓ Adversary Pursuit
- ✓ SOC Operation and Incident Response
- ✓ ICS/SCADA Protection
- ✓ DDoS Defence
- ✓ Hacking & Penetration Testing
- ✓ Cyber Intelligence
- ✓ Big Data & Data Analysis
- ✓ Cloud & IoT Security
- ✓ Reverse Engineering
- ✓ Mobile & App Security
- ✓ Secure Development
- ✓ Cyber Security Governance
- ✓ Cyber Range

*It takes 20 years to build a reputation and few minutes of cyber-incident to ruin it.*

- Stephane Nappo

## WHO ARE WE

Vara is dedicated towards bringing change through business enterprises with long-term and sustainable objectives.

Vara Technology | Vara Infrovate | Fujisoft Vara | Digicard

We'd love to work with you.

Mumbai | Gurgaon | Kolkata

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