

Data Forensics

The study or investigation of digital data and how it is created and used. Data forensics encompasses identifying, preserving, recovering, analyzing, and presenting attributes of digital information. The goal of the process is to preserve any evidence in its most original form, while performing a structured investigation by on the digital information to reconstruct past events.



Branches

◆ Computer Forensics



◆ Mobile Device Forensics



◆ Network Forensics



◆ Forensic Data Analysis



◆ Database Forensics



Use Cases

- ◆ Financial Fraud Investigation
- ◆ Email Investigation
- ◆ Cyber Crime Investigation
- ◆ Website Hacking Investigation
- ◆ Data Exfiltration
- ◆ Healthcare Frauds
- ◆ Online Gambling
- ◆ Due Diligence
- ◆ Digital Signature Crimes
- ◆ Log Analysis
- ◆ IT Security Audits

Trends

- ◆ The digital forensics market was valued at \$4,490 million in 2020 & expected to reach \$8,210.5 million by 2026, registering a CAGR of 10.97%
- ◆ Across industries, the rate of suspected digital fraud attempts globally rose 24% when comparing the first four months of 2021 with the last four months of 2020
- ◆ Businesses operating on a global scale can lose as much as 6% of their revenue due to financial fraud