

SANDEEP MUDALKAR

FOUNDER & CEO OF SYTECH LABS
CYBER SECURITY & FORENSIC INVESTIGATOR



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PROFILE

Mr. Sandeep Mudalkar is a leading authority in AI Cyber Security, digital forensics, and cyber policy, specializing in the protection of AI-driven systems, critical digital infrastructure, data privacy, and emerging technologies. His work focuses on securing intelligent systems against cyber threats, misinformation, digital crime, and regulatory risks in the age of Artificial Intelligence.

He worked with Governments and public institutions on AI security strategy, cyber policy formulation, online harm mitigation, misinformation defense, and implementation of security frameworks for emerging technologies such as AI, IoT, cloud platforms, and smart governance systems. He has played a key advisory role in shaping cybersecurity standards, AI governance, IT regulations, and national digital security policies, and is empanelled with the National e-Governance Division (MeitY) and the National Institute of Smart Governance(NISG).

Recognized as the youngest cybercrime investigator and a self-trained AI Cyber Security & Digital Forensics Expert, Mr. Mudalkar holds a postgraduate degree in Electronics and Communication Engineering, along with a PG Diploma in Cyber Law & IPR and a PG Diploma in Criminal Justice & Forensic Science from the University of Hyderabad. He is the Founder & CEO of Sytech Labs Pvt. Ltd., established in 2014, and has been actively driving cyber awareness, AI security readiness, and digital crime investigation since 2006, contributing to the investigation of several high-impact cybercrime cases.

He actively supports and trains elite organizations, including the Indian Army, Navy, Air Force, Border Security Force (BSF), Sashastra Seema Bal (SSB), Customs & Central Tax, and Police Departments across India, focusing on AI-enabled cyber threats, cybercrime investigation, digital forensics, and intelligent security systems. He is also a frequent guest lecturer and national trainer, delivering advanced programs on AI Cyber Security, Ethical Hacking, Cybercrime Investigation, and Internet Security.

Mr. Mudalkar holds multiple industry-recognized certifications, including CISSP, Red Hat Certified Engineer (RHCE), Red Hat Certified Security Specialist (RHCSS), CCNP, MCITP, and CISCO PIX Firewall, strengthening his expertise in enterprise security, AI infrastructure protection, and advanced threat defense.

He was appointed to train District Collectorate officials of Telangana on cybersecurity in association with Telangana Academy for Skill and Knowledge (TASK) and has conducted:

- 160+ workshops on Ethical Hacking & AI-driven Cyber Defense
- 250+ school programs on Cyber Safety & Digital Awareness
- 100+ corporate trainings on Vulnerability Assessment & Penetration Testing (VA/PT)
- Specialized training for police officers and armed forces on AI-based cybercrime investigation and national cyber defense

HIS AREAS OF EXPERTISE INCLUDES

AI-Driven Security Integration

Experienced in designing and integrating AI-enabled security controls, tools, and frameworks across applications, networks, cloud, and hybrid environments. Skilled in aligning intelligent security solutions with business workflows to ensure seamless deployment without impacting performance or scalability. Hands-on expertise in configuring and integrating AI-powered SIEM, SOAR, IAM, endpoint protection platforms, and API-based security solutions to enhance predictive threat detection and automated response capabilities.

AI-Based Threat & Risk Management

Strong expertise in identifying, analyzing, and prioritizing cyber threats using AI-assisted threat modeling frameworks such as STRIDE, MITRE ATT&CK, and OWASP. Proficient in conducting risk assessments enhanced by data analytics and machine-learning insights to evaluate business impact, likelihood, and remediation effectiveness. Adept at developing intelligent risk mitigation strategies, tracking corrective actions, and reducing exposure across mission-critical assets.

Intelligent Vulnerability Management

Expert in AI-augmented vulnerability lifecycle management, covering scanning, assessment, prioritization, remediation, and continuous validation. Hands-on experience with industry tools including Nessus, Qualys, OpenVAS, and Burp Suite, combined with threat intelligence correlation and risk-based prioritization to drive faster, smarter remediation decisions for engineering teams.

AI-Enhanced Security Testing

Proficient in application, API, and infrastructure security testing using AI-supported static and dynamic analysis techniques. Strong understanding of OWASP Top 10, SANS Top 25, API security risks, and secure coding principles. Skilled in designing intelligent security test cases, validating control effectiveness, and delivering actionable insights to development and DevSecOps teams.

AI-Driven Incident Response & Automation

Hands-on experience with AI-enabled incident response workflows, including detection, triage, containment, eradication, recovery, and post-incident analysis. Skilled in log analytics, behavioral analysis, and alert correlation using SIEM and endpoint platforms. Capable of preparing detailed incident reports, recommending containment strategies, and improving future readiness through automation, playbooks, and continuous learning models.

Expertise in AI-Supported Application VAPT

Specialized in performing AI-assisted Vulnerability Assessment & Penetration Testing (VAPT) for Web, Mobile, and API applications. Skilled in both manual and automated testing using Burp Suite Pro, OWASP ZAP, Postman, and custom scripts, with AI-based pattern recognition to identify complex attack paths. Experienced in validating vulnerabilities such as SQL Injection, XSS, CSRF, IDOR, authentication bypass, misconfigurations, and insecure deserialization, and delivering high-quality VAPT reports, PoCs, and secure remediation guidance.

Hands-On AI Cyber Security Experience Summary

- Security Integration: Implementing AI-enabled SIEM, SOAR, IAM, and endpoint security across cloud and on-prem environments
- Threat & Risk Management: AI-driven threat modeling, asset risk mapping, and mitigation planning
- Vulnerability Management: Risk-based vulnerability scanning, intelligence correlation, and remediation tracking
- Security Testing: AI-assisted application and API security testing aligned with OWASP standards
- Incident Response: Intelligent alert handling, investigation, response coordination, and IR documentation

SUPPORTING AND LEADING FORENSICS AND CYBERSECURITY AT SEVERAL INDIAN GOVERNMENT ORGANIZATIONS.

1. Training Indian Army Officers at the Military College of Electronics and Mechanical Engineering (MCEME), Hyderabad, since 2016.
2. Trained Indian Air Force for Senior Officials.
3. Worked with the Border Security Force, Gandhi Nagar, Ahmedabad, India.
4. National Academy of Customs & Indirect Taxes & Narcotics on GST Fraud Investigation, Zonal Campus, Vishakhapatnam.
5. Central Detective Training Institute, Hyderabad, Bureau of Police Research and Development (BPR&D), Hyderabad.
6. He offers IT assistance and services to KIA Motors and TATA Motors.
7. Conducted training for government officials of LADAKH-LEH organized by THE ADMINISTRATION OF UNION TERRITORY OF LADAKH in association with the National Institute of Smart Government (NISG)
8. Associated with the National Institute of Smart Government (NISG)
9. Invited by Jammu and Kashmir and NISG as a speaker and panelist for the program ORIENTATION WORKSHOP ON INFORMATION AND CYBER SECURITY, J&K GOVT.
10. Conducted training on Cyber Crime Investigation at various police departments across India
 - Hyderabad Cyber Cell
 - Task Force, Hyderabad Police, Telangana.
 - Rachakonda Commissionerate, Hyderabad, Telangana
 - Prakasham Police, Andhra Pradesh
 - West Godavari Police, Andhra Pradesh
 - Ananthapur Police, Andhra Pradesh
 - Dantewada Police, Chhattisgarh
 - Ahmedabad, Kheda, Anand Police, Gujarat, and More
11. Conducted trainings for staff of various collectorates of Telangana in association with the Telangana Academy for Skill and Knowledge (TASK), Govt. of Telangana
12. Associated as Faculty for Telangana State Police Academy, Govt of Telangana
13. Associated as Faculty for Andhra Pradesh Police Academy, Govt of Andhra Pradesh
14. Conducted multiple trainings in TS & AP at various police academies.
15. Associated as Faculty for Dr. Marri Channa Reddy Human Resource Development (MCRHRDI), Government of Telangana
16. Associated as Faculty for Andhra Pradesh Human Resource Development Institute (APHRDI), Government of Andhra Pradesh
17. 130+ Corporate Trainings
18. Conducted 190+ workshops on cybersecurity at engineering colleges across India.
19. Conducted 450+ seminars on cybercrime awareness at schools, intermediate, and degree colleges across India.

