

Sagnik Das

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[TryHackMe](#) | [Portfolio](#)

EDUCATION

Kalinga Institute of Industrial Technology | *B. Tech*

Bhubaneswar, IND | **07/2021-07/2025**

Delhi Public School | XII (Science)

Kolkata, IND | **04/2019-04/2021**

CERTIFICATIONS & EXTRA CURRICULAR

CompTIA Security+ (Expected 04/25) / TryHackMe SOC L1

Google Cybersecurity Professional Certification. ([See Credentials](#))

Qualys Vulnerability Management Detection and Response Specialist Certification (Exp: February 2027)
([See Credentials](#))

Forage Virtual Internships: [Tata](#) Cybersecurity Security Analyst Job Simulation (Nov 2024), [AIG](#) Shields Up: Cybersecurity Virtual Experience (Jan 2025), [Mastercard](#) Cybersecurity Virtual Experience (Jan 2025).

Workshop: ICDCIT Cyber Security & Generative AI workshop 2024

EXPERIENCE

Academor | Penetration Tester ([Certificate](#), [RL](#))

Bengaluru, IND | **01/2024-02/2024**

- Completed a month-long intensive training (45% theory, 55% hands-on VAPT).
- Conducted a one-month (55%) hands-on Vulnerability Assessment and Penetration Testing (VAPT) on an authorized web application, identifying 10+ critical and high-risk vulnerabilities, including Cross-Site Scripting (XSS), SQL Injection, and File Inclusion vulnerabilities using OWASP ZAP.
- Collaborated with developers to mitigate security vulnerabilities, reducing risk exposure by 40% through secure coding and improved security configurations.

PROJECTS

- Solid-State CPU Cooler – Designed a piezoelectric jet-based CPU cooling system, including a 3D-modeled prototype for efficient heat dissipation.
- Real-world VAPT Project – Conducted a 2-week penetration test using OWASP ZAP, identifying 10+ vulnerabilities and reducing security risks by 40%.
- Developed a personal cybersecurity portfolio (sdevop.com) to showcase penetration testing, OSINT investigations, and vulnerability assessments.
- IoT Smart City Simulation – Created a 3D-modeled smart city environment for IoT security research using Blender.
- Network Security Simulation – Designed and simulated a secure network architecture in Cisco Packet Tracer, implementing threat mitigation techniques and security controls.

SKILLS

Programming Languages: Python, Bash, Shell Scripting, JavaScript, HTML, CSS.

SIEM & Log Analysis: Splunk, Elastic Stack (ELK), Windows Event Viewer, Sysmon

Network Security & Traffic Analysis: Wireshark, Zeek (Bro), Suricata

Penetration Testing & Exploitation: Nmap, Hydra, John the Ripper.

Threat Intelligence & Malware Analysis: Sigma Rules, VirusTotal, Abuse.ch, Shodan, AlienVault OTX, YARA Rules, Cisco Talos.

Networking & Systems: Cisco Packet Tracer, SSH, Kali Linux, Ubuntu, Windows Security (Sysinternals Suite)

Development & Engineering: Blender, Tinkercad.

Frameworks & Methodologies: MITRE ATT&CK, Cyber Kill Chain, NIST Cybersecurity Framework, ISO 27001.

Languages: English (Proficient), Bengali (Proficient), Hindi (Spoken), German (Beginner/Intermediate – Learning)