Sagnik Das

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TryHackMe | Portfolio

EDUCATION

Kalinga Institute of Industrial Technology | *CSSE (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

Penetration Tester Intern | **Academor** (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 | C | C++
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)