

Aaron Chakraborty

3rd Year B.Tech Student, School of Computer Engineering, K.I.I.T DU

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Professional Experience

Panacea Infosec Pvt Ltd

May 2024 – Jul 2024

Security Testing Intern

Delhi, India

- Conducted **20+** vulnerability assessments and penetration tests for networks and web applications.
- Collaborated with a dynamic team of over **5+** cyber-security professionals to enhance threat analysis and strengthen security protocols.
- Authored **10+** detailed security reports with actionable recommendations.

The Red Users

Dec 2024 – Jan 2025

Cyber-Security Intern

Remote

- Analyzed and documented **10+** network threats including **phishing, trojans, and worms**; implementation of **WPA2/WPA3** encryption protocols.
- Monitored network traffic using **Wireshark**, identifying suspicious patterns and mitigating potential security breaches.

Cyber Security Member

Sep 2024 – Present

IoT Lab, Kalinga Institute of Industrial Technology

India

- Competed in **5+** team-based **CTF competitions**, collaborating to tackle advanced cyber-security challenges.
- Conducted over **10+** web security assessments using **Burp Suite** and manual testing.
- Organized **2+** **CTF competitions**

Projects

Network Scanner | Python, Scapy, Nmap

January 2025

- Developed a tool to scan networks, identify devices, open ports, and detect vulnerabilities.

Strong Password Generator | Python, JavaScript

November 2024

- Created a customizable tool to generate secure passwords leveraging Python's **secrets** module and secure crypto libraries.

Keylogger Device | Python (pynput/pyHook), OS API calls (Windows API or Linux evdev)

October 2024

- Built a basic keylogger for cybersecurity awareness utilizing direct OS API calls.

Skills

- Programming:** Java, Python, C, Bash, Microsoft Windows PowerShell
- Tools:** VMware, Kali Linux, Nmap (Network Mapper), Wireshark, OWASP ZAP, Metasploit, SQLmap, Maltego, Veil Framework
- Domains:** Ethical Hacking, Penetration Testing, Network Security, Cyber Threat Hunting, Web Application Security

Certifications and Achievements

- Ranked under **500** in global **Hacktify Battle on TryHackMe** (vs. **4000+** teams)

Mar 2025
[Show Credential](#) 🔗

- Ethical Hacking Techniques and Principles**

July 2024
[Show Credential](#) 🔗

- Service Selection Board (TES 51 Merit List) - Rank 83**

Feb 2024
[Show Credential](#) 🔗

- Data Base Management System (NPTEL)**

March 2025
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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech in Computer Science	Kalinga Institute of Industrial Technology, Bhubaneswar, India	9.32	2023–2027
Senior Secondary , ISC Board	City Montessori School, Lucknow, India	94.25%	2023
High School , ICSE Board	City Montessori School, Lucknow, India	98.25%	2021