

# Surajit Sen

Cybersecurity Student

Address: Kolkata, West Bengal, India

Email: [sensurajit@proton.me](mailto:sensurajit@proton.me)

Website: [surajitsen.live](https://surajitsen.live) | LinkedIn: [linkedin.com/in/getsensurajit](https://linkedin.com/in/getsensurajit)

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## Summary

I'm a second-year BCA student with a deep passion for cybersecurity, ethical hacking, and web application security. I love building tools, breaking things (ethically!), and securing systems. My journey involves hands-on penetration testing, secure development, and contributing to open-source projects. I actively practice on platforms like HackTheBox and [TryHackMe](#), and I'm always eager to learn and collaborate with fellow security enthusiasts.

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## Experience & Projects

- **MagnetDrop** - Peer-to-peer (P2P) file-sharing service using WebTorrent and WebRTC, enabling secure and serverless file transfer.
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  - **PacGuard** - Developed a Python-based security tool for Arch Linux, inspired by arch-audit. PacGuard scans installed packages for known vulnerabilities, acting as a "package bodyguard" to enhance system security. Built to simplify dependency security checks and encourage community adoption.
  - **FuckReborn (PyPI Package)** - A Python package published on PyPI, designed to automate repetitive tasks with simple command execution.
  - **Ghost Chat** - Secure, anonymous, real-time chat platform using WebSockets for seamless communication.
  - **VMWare Virtual Homelab** - Configured Windows Server with Active Directory and DNS to practice pentesting techniques.
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## Skills & Tools

<u>Category</u>	<u>Skills/Tools</u>
Cybersecurity Tools	Wireshark (Advanced), Metasploit (Intermediate), Burp Suite (Advanced), Nmap (Intermediate), SQLmap (Intermediate), Hydra (Basic), Aircrack-ng (Basic), Nikto (Basic), OWASP ZAP (Intermediate)
Programming	Python (Advanced), C (Intermediate), JavaScript (Advanced), PHP (Basic), Ruby (Basic), Bash (Intermediate)
Frameworks & Platforms	React (Intermediate), Node.js (Advanced), Flask (Intermediate)
Databases & Cloud	MySQL , MongoDB , Firebase
Operating Systems	Linux (Kali ) Windows
Other Skills	Bug Bounty , Research skills , Vulnerability Assessment, Red Teaming ( basic ).

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## Certifications

- Cisco - [Ciso Verified Ethical Hacker](#)
- Palo Alto Networks - [Network Security Fundamentals.](#)
- Web Development Bootcamp (Full Stack).
- CEH (Certified Ethical Hacker) – In progress.

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## Education

**Bachelor of Computer Applications (BCA)**

**B.P. Poddar Institute of Management and Technology, Kolkata**

**Expected Graduation: 2028**

**Relevant Coursework: Networking Fundamentals, Network Security, Web Development, Operating Systems, Data Structures, DBMS.**