

Devsatyam Ray

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HackTheBox: [evilCorpse](#)

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Education

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- Institute of Engineering & Management (2022-Present)** Kolkata, India
Bachelor of Technology- Computer Science and Engineering; CGPA: 8.1
Courses: OOPS, Algorithms, Data Structure, Computer Architecture.

Skills Summary

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- Languages:** Bash, Python, C++, C, JAVA, JavaScript, HTML
 - Technologies:** React, Network Security, Zero Trust, Cryptography, Steganography.
 - ML Technologies:** CNN, K-Means Clustering, Llama, EasyOCR, Doctr.
 - Tools:** Burpsuite, Wireshark, Metasploit, Git, Google Cloud Platform, AWS.
 - Platforms:** Windows, Linux/GNU, Arduino.
 - Soft skills:** Reciting, Team Co-ordination, Communication.

Experience

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- Senselearner Technologies Pvt. Ltd (September, 2023 – November, 2023)**
Cybersecurity Intern
 - Reconnaissance:**
Conducted detailed OSINT operations on senselearner.com, gathering critical information and identifying 12 potential vulnerabilities, enhancing the security posture by 25% and informing subsequent security protocols.
 - Penetration Test:**
 - Led comprehensive penetration testing, uncovering and reporting 7+ vulnerabilities through detailed web enumeration, which enhanced security protocols and minimized potential breaches by 23%.
 - Executed an exhaustive web enumeration and vulnerability disclosure process, identifying and mitigating 15 critical security flaws, contributing to a 40% reduction in potential security risks.
 - Malware Development:** Learnt about **executable programs** and their structure. Worked in making a **Malware** for **hooking address table** on windows machines and techniques for **IDS evasion**.

Certifications

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- Certified Ethical Hacker Master (CEHv12)** – EC-Council

Projects

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- Feature Extraction from Amazon Image Dataset**
 - Description:** Developed a feature extraction system for a dataset of 190,000 images provided by Amazon.
 - Techniques Used:** Implemented OCR techniques including **EasyOCR**, **Doctr**, and **fine-tuned LLaMA 3.1 (70B and 2B models)**.
 - Achievements:** Achieved an F1 score of 0.61, demonstrating high accuracy in text extraction and recognition.
 - Data Security Lab**
 - Description:** It is a virtual lab environment for user friendly data security with technologies like **Cryptography**, **Steganography**. It is made using **Bash Scripts** and **Python**. Implemented on Debian GNU/ Linux.
 - Foodyver ([Demo](#))**
A multi restaurant-chain aggregation-based website. Foodyver is a food ordering website situated in a mall where you can order your preferable food easily without hustling at the line of food-court.
 - Tech Stacks used:** **HTML**, **CSS**, **JavaScript**, **PHP**, **Mongo DB**.

Achievements

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- Made it to the Final Round of 'Time Heist' Hackathon.
 - Top 10% on TryHackMe & Rank 'Hacker' on HackTheBox.
 - Made into top 20 in Spy Wars CTF 2024.