

ABANTEEKA ACHARYA

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EDUCATION

Vellore Institute of Technology, Bhopal, Madhya Pradesh

B.Tech in CSE Cyber Security & Digital Forensics

July 2021 – Ongoing

CGPA: 7.66/10

Adarsha Balika Sikshayatan, Kolkata, West bengal

Class XII (Higher Secondary)

July 2021

Percentage : 68.6%

Kamala Girls' High School, Kolkata, West bengal

Class X (Secondary)

May 2017

Percentage : 64%

TECHNICAL SKILLS

Languages: Python, Java, SQL

Technologies/Frameworks: Linux, Nmap, Burp Suite, Metasploit, Wireshark

Certification

- Blockchain and its Application, NPTEL, April 2024.
- Automate Cybersecurity Tasks with Python, Coursera, November 2023.
- Offensive Hacking Unfolded - The Beginner's Edition, United Latino Students Association, October 2023.

EXPERIENCE

CFSS Cyber & Forensics Security Solutions

SOC Analyst Intern

June 2024 – July 2024

- Executed real-world cybersecurity simulations using Metasploit, captured login requests with Burp Suite, and examined network logs through Wireshark. Performed a comprehensive attack on DVWA, deepening my knowledge of web application security.
- Authored and delivered a comprehensive case study on a real-world SOC scenario, emphasizing the critical role of SOC in threat mitigation, to CFSS Cyber & Forensics Security Solutions.

Public Works Department

Intern

December 2023 – January 2024

- Developed hands-on experience in networking systems and allied services by analyzing LAN and WAN infrastructure, as well as various networking devices.
- Explored networking data communication and voice communication systems in depth during the month-long internship.
- Compiled and submitted a detailed report to Shri Soumen Maity, Junior Engineer, Public Works Department.

PROJECTS

Linux PrivESC. Inspector | Python

April 2024 – July 2024

- Description: Engineered a Python-based tool for Linux to detect and analyze potential security vulnerabilities, thereby enhancing the security assessment process by delivering detailed insights into privilege levels on target machines.
- Automated vulnerability scans and provided insights on security gaps, aiding risk mitigation and improving system defenses.
- Independently executed the project as the Back End Developer, contributing to improved security workflows.
- Link and Results: https://github.com/Abanteeka/Linux_PrivESC_Inspector

Steganography | Python

November 2022 – February 2023

- Description: Designed and implemented a Python tool to covertly embed text messages into various file types (images, text, audio, video), increasing the success rate of undetected message transmission and bolstering secure communication.
- Leveraged Python technology to build an effective solution for steganography, improving the tool's reliability in secure data embedding.
- Collaborated with a team of 3 members, spearheading the back-end development as a Back End Developer to ensure seamless performance and security.
- Link and Results: <https://github.com/Abanteeka/Steganography>

COCURRICULAR

CTF

- TryHackMe Rank: 22636 (In the top 2%), 78 Rooms Complete, level 11, 13 Badges earned, hacking for 180 days in row
- Completed the "Advent of Cyber 2023" (24 Cyber security challenges), TryHackMe, (Dec 23).

Coding

- Hackerrank 5 Star in SQL. Hackerrank 4 Star in Python. Hackerrank 3 Star in Java.

EXTRACURRICULAR and ACHIVEMENTS

Achievements

- Apoorv'24 CTF: Team Rank 79, organized by Cyber Security Club of IIT Kottayam.
- HackerRank - Java (Basic) February 2023, SQL(Basic) April 2022, Python (Basic) April 2022.

Responsibilities

- Member of IOT Club.

HOBBIES

- Painting.