

SIDDHARTH BEJ

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I am dedicated to enhancing cybersecurity by identifying and mitigating risks, improving system defenses & ensuring the protection of digital environments. My focus is on continuous improvement & taking decisive action to strengthen security measures.

“From reconnaissance to root, the thrill is in the journey.”

Education

Presidency University

Bachelor of Technology in Computer Science and Engineering (Cyber Security)

2021 – 2025

Bangalore, Karnataka

N.H.E.S

Primary & Secondary Education

2007 – 2021

Jamshedpur, Jharkhand

Certifications

- CompTIA Security+ (SY0-701)
 - (ISC)² Certified in Cybersecurity (CC)
 - AWS Certified Cloud Practitioner
 - Blue Team Junior Analyst Pathway Bundle by Security Team
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Experience

Slash Mark IT Solutions (Startup)

July 2024 – September 2024

CyberSecurity Intern

Remote

- Constructed a **text encryption web app** using **AES** encryption, securing over **20+** user data transmissions.
- Devised a **Keylogger** to capture keystrokes, tested on **5+** systems, improving understanding of input monitoring and ethical hacking techniques.
- Orchestrated an Image Encryption tool to secure **50+** images, ensuring protection against unauthorized access.
- Gained experience in **Cryptography**, **Data Security**, and **Software Development**.

FusionTech

July 2024 – August 2024

CyberSecurity Intern

Remote

- Scanned **50+** devices using **Nmap** to identify vulnerabilities, discovering 10 critical security flaws.
 - Cracked **30% of 500+** password hashes with **John the Ripper**, highlighting password security weaknesses.
 - Gained practical experience in **Network Reconnaissance**, **Password Security**, and **Ethical Hacking**.
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Skills

Technical Skills: Penetration Testing, Log Monitoring, Vulnerability Assessment, Incident Response & Forensics, Reverse Engineering, Firewall Configuration, Threat Detection & Management, Networking, Cryptography

Programming & Scripting Skills: Java, Python, Node JS, Bash

Security Tools & Technologies: Burp Suite, Wireshark, Nmap, SIEM (ELK Stack), Metasploit, Windows, Linux, AWS, MySQL

Cybersecurity Frameworks & Standards: OWASP Top 10, NIST, PCI DSS

Soft Skills: Communication, Collaboration & Teamwork, Leadership, Adaptability, Time Management

Projects

Trashify | HTML, CSS, EJS, NodeJS, MongoDB

December 2024

- Integrated **Tidio** chatbot to facilitate waste deposition, where users receive monetary rewards for depositing waste.
- Implemented an AI algorithm, including **linear regression**, to predict the price of **E-Waste** for more accurate financial incentives.
- Designed a user-friendly platform with machine learning to optimize **waste sorting** and maximize recyclable material recovery.

FileEncryptorDecryptor | Java, Swing

September 2024

- Created a **Java GUI** app to encrypt and decrypt files using **AES (CBC mode, PKCS5 padding)**, generating **.sidenc** and **.params** files.
- Enabled user input for AES keys and IVs in **hexadecimal** format (128, 192, 256-bit).
- Crafted a simple **Swing**-based interface for seamless file encryption and decryption.

SimpleKeylogger | Python

August 2024

- Formulated a simple keylogger program to demonstrate its mechanics, logging keystrokes silently in the background.
- Programmed the system to store captured keystrokes in a **log** file for later analysis.
- Built an educational Python keylogger using **pynput** to explore cybersecurity principles and ethical considerations.