BUDDHIKA ASHEN

Computer Security undergraduate | Penetration Tester | CTF Player

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SUMMARY

I am a passionate and driven undergraduate student specializing in Computer Security. Active CTF participant with proven problem-solving and teamwork skills. Eager to apply academic knowledge and hands-on experience in cybersecurity, software development, and web technologies to real-world challenges.

EDUCATION

Bachelor of Computer Security   **Oct 2023 - Present**
NSBM University affiliated with University of Plymouth

GCE A/L   **Feb 2023**
Central College Kuliypitiya

GCE O/L   **Dec 2018**
Central College Kuliyapitiya

PROJECTS

E-commerce CRUD Web Application
- Technologies: **HTML**, **CSS**, **JavaScript**, **PHP**
- Developed a dynamic e-commerce platform named "ARCADE ALLEY" for gamers to browse and purchase gaming items.
- Implemented **user authentication, shopping cart functionality**, and **admin panel** for product and **order management**.

Blood Donation System
- Technologies: **HTML**, **CSS**, **PHP**, **JavaScript**, **PHPMailer**
- A web-based platform to manage **blood donation drives**, including **donor registration** and **notification via email**.

Cinema Booking System

- Technologies: **Java Servlets**
- Developed MovieRulzz, a cinema booking system allowing users to **book tickets** and **view showtimes**. Admin features include **movie management**, **showtime scheduling**, and **profit reports**.

C# Project System

- Developed a Point of Sale (POS) system with separate client and admin applications for **managing food orders**, **stock**, and **user permissions**.

Phishing Simulation Lab (Ethical Testing Project)

- Developed a phishing website using **HTML**, **CSS**, and **PHP** to trick users and capture their credentials. Hosted it via **Ngrok** and shared the link using a **URL shortener** to reduce detection.

Python Keylogger with Email based exfiltration

- Developed a basic **keylogger** in a controlled lab environment to simulate real-world threat actor techniques used in phishing and malware attacks. Utilized libraries such as **pynput** for keystroke logging and **smtplib** for automated **email-based** data exfiltration.

Simple Port Scanner using Python

- Built a basic multi-threaded **port scanner** using Python's **socket** and **threading** modules. Scanned specified target IP addresses for open TCP ports within a given range.

Personal Bug Bounty Hunting (Self-Initiated Research)

- Discovered a **SQL injection vulnerability** in a medical laboratory's patient reporting web application. Further investigation revealed that the developer had deployed interconnected systems containing additional security flaws, including an **unsecured file upload endpoint** that could lead to **remote code execution**. Additionally, the exposure of **a message gateway API** endpoint introduced a potential **SMS spoofing attack** vector.
- Discovered a **SQL Injection vulnerability** in the **search field** of a popular web application used by a computer repair shop in Kurunegala during independent testing.
- Identified **SQL Injection** and **Broken Access Control vulnerabilities** in a popular **courier service** web application in Sri Lanka during independent testing.
- Identified **subdomains hosting exposed backup files** of source code on various websites, including a **government site**. The exposed files on a

developer subdomain contained the full **message gateway source code with credentials** and hardcoded **super admin credentials**.

ACHIEVEMENTS

Champions - Legion's Mini CTF
Legion Offensive Security

Champions - Cyber Sprint CTF
NSBM Green University

1st Runner up – Snowy secret CTF
HackKap

2nd Runner up - Battle of the Multiverse CTF
LNBTI Campus

2nd Runner up - CRYPTX 1.0 CTF
University of Sri Jayewardenepura

9th place – Mathra CTF
NSBM Green University

PicoCtf
Link to Profile

Tryhackme
Link to Profile

HackTheBox
Link to Profile

REFERENCE

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