

Buddhika Ashen

Computer Security undergraduate | Penetration Tester | CTF Player

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Profile

I am 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

- **BSc (Hons) in Computer Security** **October 2023 – Present**
Plymouth University, United Kingdom
- **Advanced Level Examination (Maths Stream)** **Feb 2023**
Results: CSS
Central College, Kuliyaipitiya
- **Ordinary Level Examination** **Dec 2018**
Results: 9A
Central College, Kuliyaipitiya

Skills

- **Languages:** Java, PHP, JavaScript, HTML, CSS
- **Tools:** Git, VS Code, XAMPP
- **Security:** Nmap, Burp Suite, Metasploit, Cryptography, Web Exploitation
- **Networking:** IP Addressing, Subnetting, Routing, Network Security
- **Operating Systems:** Windows, Linux

Projects

E-commerce CRUD Web Application

- **Technologies:** HTML, CSS, JavaScript, PHP
- Developed **ARCADE ALLEY**, a dynamic e-commerce platform 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# POS System

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

Phishing Site Fun Project (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.

Training

- **Network Security** – Module completed as part of undergraduate course (IPS/IDS, Firewall, WAF, Wireshark)
- **Network Devices and Equipment** – Practical experience with various network devices using **cisco packet tracer** such as **routers**, **switches**, and **access points**.
- **IP Addressing and Subnetting** – In-depth understanding of **IPv4** and **IPv6** addressing schemes, including **subnetting**.
- **Online CTF Platform** – PicoCTF, TryHackMe, HTB

Achievements

- **2nd Runner-up** - CRYPTX 1.0 CTF (University of Sri Jayewardenepura)
- **1st Place** - Legins Mini CTF
- **3rd Place** - Battle of the Multiverse CTF (LNBTI Campus)
- **9th Place** - Manthra CTF (NSBM Green University)

Technology used: Kali Linux, NMAP, FUFF, Dirsearch, DNS attack, WAF Bypass, SQL injection, Cryptography, Forensic Tools(Exiftool, binwalk, zsteg)

Languages

- **Sinhala (Fluent)**
- **English (Fluent)**