Vishnuprabha Perumpalathu Valappil Prabhakaran

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 I am an aspiring computer science student at Cambrian College who is highly motivated and curious to learn more with proven skills and effective communication, customer service and task management. Seeking leverage skills and contributing efficiently to the workplace. Aiming to leverage my abilities to successfully fill the vacancy on your team.

Experience

2023

Independent Security Researcher

- Identified and responsibly disclosed a Cross-Site Scripting vulnerability in a university website.
- Provided a detailed report, including proof-of-concept and mitigation recommendations.

2022

Independent Security Researcher

- Identified SQL Injection and Cross-Site Scripting vulnerabilities in a government website.
- Analyzed the website's backend interactions to uncover security flaws and recommended secure coding practices.
- Submitted a responsible disclosure report, ensuring timely remediation of vulnerabilities.
- Developed a proof-of-concept (PoC) to demonstrate exploitability and suggested secure database query practices.

2022

Independent Security Researcher

- Identified and responsibly disclosed a security vulnerability in eToro's website, enhancing its security.
- Provided a proof-of-concept exploit and suggested secure coding practices to prevent similar issues.
- Received official appreciation and a monetary reward for the responsible disclosure.
- Strengthened knowledge of web security, secure development practices, and ethical hacking principles.

2021

Tutor | Jawaharlal Nehru Computer Academy | Kalpetta, India

- Mentored and taught students C++, HTML, CSS, and JavaScript, helping them understand fundamental programming concepts.
- Assisted students in building interactive web applications and writing efficient C++ programs.
- Explained problem-solving techniques, debugging strategies, and best coding practices.
- Provided one-on-one guidance, improving students' understanding of object-oriented programming, web development, and algorithmic thinking.
- Developed hands-on exercises and projects to reinforce real-world coding skills.

Education

2024 - PRESENT
Mobile Application Development | Cambrian College | Sudbury, Ontario

2023 - 2024
Cybersecurity | Cambrian College | Sudbury, Ontario

2018 - 2021
Bachelor of Computer application | Oriental School of Hotel Management | Vythiri, India

Personal Projects

2024
Scientific Calculator – Created a scientific calculator API using DOTNET.

2023
Red team and blue team - Worked as a part of red team and blue team and collaborated both using twin gate.

2022
Automated Reconnaissance tool – Created an efficient tool using BASH script to collect data regarding a website and successfully integrated other tools to it for finding vulnerabilities.

2020
Password Processing – Created a sample web application using python and MySQL for logging in using id and password.

Skills

Programming Languages – C#, C++, bash, python, Javascript, HTML & CSS, SQL, Kotlin

Web Development – HTML, CSS, Flask, Javascript, Node.js, .NET

Testing & Debugging – Selenium, unit testing, debugging & code optimization

Development Tools & Platforms – Git & GitHub, Visual Studio, VS Code, Android Studio

Soft Skills – Problem solving, Mentorship & Communication, Attention to Detail, Adaptability & Quick Learning, Collaboration

Certifications

2022
Cybersecurity | Avodha.com | India