Nithesh Dhakshanamoorthy

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Summary

With an MSc in Information Security and a B.Eng in Computer Science, I possess strong skills in Cyber Security and programming. During a 6-month internship at Tech Affinity Global, I enhanced my web development abilities. My dedication to Cyber Security is reflected in my top 3% ranking on Try Hack Me and a global ranking of top 400 on Hack The Box.

Education

Masters in Information Security

Royal Holloway University of London, Egham, United Kingdom
Sept 2022 – Sept 2023

Key Modules: Cryptography, Network Security, Cyber Security, Cyber Forensics, Software Security, Penetration Testing, Security Management, Incident Response

Bachelor of Engineering in Computer Science and Engineering

St. Joseph's Institute of Technology – Affiliated to Anna University, Chennai, India
Aug 2017 – Apr 2021

Key Modules: Data Structures, Design and Analysis of Algorithms, Object-Oriented Programming, Software Engineering, Communication Engineering, Artificial Intelligence, Software Testing, Database Management System

Technical Skills

Penetration Testing / Network Security / Linux / C / C++ / Python / Ruby / CTF / HTML / CSS / JavaScript / Burp Suite / Metasploit / Nmap / Linux / Windows / Active Directory / Wireshark / ISO 27001

Soft Skills

- **Communication:** Organized numerous symposiums and events, enhancing communication skills.
- **Teamwork:** Gained experience working with various IT departments as a Software Developer Intern.
- **Time Management & Problem Solving:** Developed problem-solving skills while meeting deadlines and client feedback at Tech Affinity Global.
- **Creativity:** Enhanced creative skills as a frontend developer on various projects.
- **Leadership:** Led college events and symposiums, organizing and leading committee members.

Certifications

- Information Security: Context and Introduction | University of London
- Introduction to Cyber Attacks | New York University
- Network Security & Database Vulnerabilities | IBM
- Penetration Testing, Incident Response and Forensics | IBM

Work Experience

Software Developer Intern
Tech Affinity Global, Bangalore, India
Oct 2021 – Apr 2022
- Developed web applications, both frontend and backend.
- Created APIs.
- Improved company website performance by 5% on mobile and 12% on desktop.

Research Experience

Dark Web Analysis
Oct 2021 – Dec 2021
- Conducted a survey on public awareness of the Dark Web.
- Collected responses from over 300 participants.
- Organized and processed the data.

Academic Projects

Wi-Fi Analyzer using Plux Algorithm
Oct 2020 – Mar 2021
- Developed a Python-based tool for Wi-Fi network penetration testing.
- Automated pre-configuration for different attack types.
- Identified vulnerabilities in Wi-Fi networks.
- [Github Repo](#)

IoT Security: Safeguarding the Connected World
Jun 2023 – Aug 2023
- Developed a Python-based penetration testing tool for IoT devices.
- Focused on protocols such as CoAP, UPnP/SSDP, and MQTT.
- Identified and addressed vulnerabilities in IoT ecosystems.
- [Github Repo](#)

Achievements

- First-class graduate in Bachelor's degree.
- Top 3% competitor on Try Hack Me among 4 million users.
- Top 400 in HTB - Ranking (Pro Hacker)
- Semi-finalist at Smart India Hackathon 2019.

Activities

Volunteered at various NGOs, serving elders, children with disabilities, and abandoned individuals.