


Dev Neupane

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Ulster University BSc graduate in Computing Systems, aspiring to kickstart a career in Information Security and IT. Eager for hands-on experience, I've actively pursued extra certifications and training during my academic journey.

Education

2019 – 2023

BSc (HONS) Computing Systems with Adv. Diploma in Professional Practice, Ulster University, London

- Achieved a 2:1 Upper Second degree with focus on Software Development, System Security, Web Development, Data Analytics, Database System and Artificial Intelligence.
- Experienced with Python, R, Laravel, and JavaScript for university project development.

Projects

Face Recognition Attendance System

- Developed a face recognition attendance system using Python and OpenCV to automate attendance tracking, improving efficiency and accuracy.
- Utilized Python, OpenCV, and machine learning techniques for face detection and recognition.

Module Repository Tool using Laravel 9

- Developed a web app for academic module management using Laravel 9 and Breeze.
- Led design and implementation of CRUD operations with user registration.
- Utilized 'php artisan' commands for efficient project management.

Data Analysis and Modeling Using R

- Performed EDA, data visualization, and clustering and analysis using R for a given dataset.

Cloud Native Social Media Platform

- Designed and developed a cloud-native social media sharing platform using Azure and WordPress.
- Features: User registration, content uploads, following, stream views, and comments.

Secure Peer-to-Peer Communication System (Python)

- Developed two Python components for secure peer-to-peer file-based communication.
- Established file-based channel, negotiated cryptographic keys, and used AES for encryption.
- Demonstrated proficiency in Python and Cryptography.

Machine Learning

- Applied two ML algorithms to solve a classification problem with comprehensive analysis.
- illustrated reinforcement learning through Markov Decision Processes in a lab exercise, emphasizing its value in employability.
- Demonstrated expertise in algorithms and data analysis.

Relevant Learning Experience and Certification

[TryHackMe labs](#)

Engaged in TryHackMe, an online, cloud-based cybersecurity training platform, completing 113 real-world lab-based challenges and earning 18 badges.

- Pre-Security Learning Path
- Complete Beginner Learning Path
- CompTIA Pentest+ Learning Path
- Web Fundamentals Learning Path

[Portswigger Academy labs](#)

Successfully completed the Web Security Academy by PortSwigger, encompassing over 190 topics and interactive labs related to web security trends.

[Solo learn](#)

Completed Python coding courses on SoloLearn, an online training platform.

- [Python Intermediate certificate](#)
- [Python for Beginners](#)
- [JavaScript](#)

[LinkedIn Learning](#)

- Linux Operating System
- Cyber Security Skills.

Skills

- **Network Security Tools:** Proficient in Nmap, Nessus, Hydra, Netcat, Wireshark, and the Metasploit framework for network security.
- **Web App Security Tools:** Experienced in Burp Suite, Nikto, SQLmap, FFUF, Amass, Httpx, Nuclei, and Wpscan for web application security.
- **Intelligence Gathering Tools:** Skilled in Maltego, Rengine, Shodan, and Google dorks for intelligence gathering.
- **Programming Language:** Proficient in Python

Work

2022 – PRESENT

[Customer Team Leader](#), CO-OP foods, North Greenwich, London

References available on request