

BIPIN ADHIKARI

Mississauga, Ontario

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[Portfolio - bipin-adhk.github.io](https://bipin-adhk.github.io)

<https://www.linkedin.com/in/bipin-adhk/>

PROFILE

A tech enthusiast with a passion in the field of cyber security having a track record across various roles, acquired a strong skillset includes communication, interpersonal skills, and a collaborative work approach. Including creative problem-solving skills and acute attention to detail allow to tackle complex challenges with innovative and effective solutions.

SKILLS

Cyber Security: Advanced use of search engines, bash scripting, Malware Analysis

IoT and OS: Updated with all operating systems, virtual machines and IoT devices

Vulnerability Management: Penetration testing (HTB), Nessus, Metasploit, and Burp Suite

Identity and Access Management: RBAC, IAM Framework, Privilege Access Management

Application Security and Encryption: Vulnerability assessment, OWASP Framework

Networking: Subnetting, Routing and Switching, Troubleshooting, Wireless networking

Scripting: Python coding and scripting, blockchain development, testing and debugging

SIEM: Monitoring and analyzing security events, log management

Incident Response: Developing incident response plans, conducting forensic analysis, and mitigating security incidents

MITRE Attack Framework: TTPs, Defensive Strategies, Security Architecture Design

ACADEMIC PROJECTS

Darkweb Monitoring & Analysis

January 2025 – Ongoing

Capstone Project – Project Lead

- Creating GUI based tool to track and examine darkweb cybersecurity threats & activities.
- Implement a crawler using Scrapy/Selenium to collect data from dark web forums.

FormulaX – Hack the Box

March 2024

System Pwned – Hard Machine

- Completed pwning the machine have created a walkthrough on the same:
[Link: Walkthrough](#)
- [System Pwned Reference](#)
- Report Research topics: MongoDB, Privilege Escalation, Target Vulnerabilities Scanning and XSS, Password Effectiveness, Network Security Architecture

Blockchain based medicinal drug tracing and tracking-system, Kathmandu, Nepal

July 2022 - September 2022

Final year project (Development & Thesis)

- Secured Tracing and Tracking of products via Code embedded in it
- Learned secure transaction and work of blockchain in digital security
- [Link: Completed University Thesis in the project](#)

IoT based industry power status monitoring and alert system, Kathmandu, Nepal

November 2022 - February 2023

Prototype building assistant

- Assisted program director of AI, with the use of Things-board and Raspberry-Pi as hardware to generate alert for high voltage or network fluctuation
- Implemented by Dish-home, network company
- Published research paper at: [Reference Link](#)

EDUCATION

Lambton College

January 2024 - Present

Cyber Security and Computer Forensics

- Postgraduate in Computer Science and Computer Forensics (**Term-3**)

Coventry University

September 2019 - November 2022

Ethical Hacking and Cyber Security, (First Class Honors)

- BSc. (Hons) in Ethical Hacking and Cyber Security

WORK HISTORY

Digischool Global, Kathmandu, Nepal

January 2023 - April 2023

Project manager

- Got an opportunity to act as the Academic Team Lead for a week for the implementation of course, developed by Digischool, all over Nepal.
- Advised leadership team on strategic marketing opportunities on the business perspective, even for 3 external sister companies.

Digischool Global, Kathmandu, Nepal

June 2022 - January 2023

Academic Coordinator (HOD Research and Development)

- Revised all the contents (Level 1, 2), from NCC Education UK, as per the necessity of clients leading the team of R & D
- Assigned multiple projects simultaneously, in coordination with the team of 20 individuals
- Got promoted into higher positions within short duration of around 6 months

Digischool Global, Kathmandu, Nepal

November 2021 - June 2022

Academic Officer

- Trained more than 80 teachers of 47 schools and had a personal connection with each individual for integration of Digischool curriculum in the respective school

Kunyo.co, Kathmandu, Nepal

November 2018 - January 2019

SEO, Content Developer

- Developed quality content for blogs, social media for foreign projects and webpages
- Enhanced creativity and promoted growth, understood the work policies in the field of technology as a beginner

CERTIFICATIONS

- **EC-Council EHE ([Ethical Hacking Essentials](#))** Certification Number: 315620
Date: 12th April 2024
- **ATTACK IQ [Extending ATT&CK with ATT&CK Workbench](#)**
Date: April 01, 2024
- **Google Cybersecurity Professional Certificate** (-Ongoing)
- **Comptia Sec+** (-Ongoing)

REFERENCE

- [Er. Shrawan Thakur](#)
(Course Director MSc - Data Science and Computational Intelligence)
- [Bigyan Shrestha](#)
(Chairperson: SoftEd Group of Companies, Chairperson: Digischool)