

# BIPIN ADHIKARI

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## 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, CISSP, 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

**Cloud Security:** Implementation of security measures in AWS, Azure, GCP

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

## ACADEMIC PROJECTS

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

July 2022 - September 2022

*Final year project (development & report writing)*

- Secured Tracing and Tracking of products via Code embedded in it
- Learned secure transaction and work of blockchain in digital security
- 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: <https://www.ijfmr.com/papers/2023/6/8422.pdf>

## EDUCATION

Lambton College

January 2024 - Present

**Computer Science and Computer Forensics**

- Postgraduate in Computer Science and Computer Forensics (**Term-2**)

Coventry University

September 2019 - November 2022

**Ethical Hacking and Cyber Security, First Class Honors**

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

## WORK HISTORY

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### **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

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

## REFERENCE

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- Er. Shrawan Thakur (Course Director MSc - Data Science and Computational Intelligence)
- Raju Baniya (CEO, Digischool Global)