

DAVID BUDHA MAGAR

Kalanki, Kathmandu, Nepal, 9847825017, davidbudha17@gmail.com

 www.linkedin.com/in/david-budha-magar-2a601b26a

 www.davidbudhamagar.com.np

PROFILE

eJPT-certified cybersecurity professional with hands-on experience in penetration testing, digital risk monitoring, web application security, and threat detection. Experienced in identifying malicious activity across social media platforms and collaborating with enforcement teams to mitigate digital threats. Strong foundation in networking, intrusion detection, and cloud security with practical implementation experience using Python, Linux, and security frameworks.

Work Experience

Digital Risk Monitoring & Enforcement Vairav Technology March-2025- Present

- Monitor digital platforms to detect impersonation, coordinated inauthentic behavior, and online abuse
- Investigate malicious accounts, fraudulent activity, and emerging digital threat patterns
- Conduct behavioral analysis to identify risk trends across social media environments
- Collaborate with enforcement and takedown teams to mitigate harmful content and platform misuse
- Document incidents and contribute to structured digital risk response processes

Security Specialist Intern Mero Solutions Dec-2024-Feb-2025

- Conducted web application security testing to identify vulnerabilities
- Assisted in developing internal security frameworks and mitigation strategies
- Evaluated system risks and documented remediation recommendations
- Gained exposure to real-world IT infrastructure security controls

SMET Intern Vairav Technology June-2024-Dec-2025

- Created and managed intelligence-based monitoring profiles across digital platforms
- Collected and analyzed threat intelligence data to identify abuse trends
- Reported malicious activity and assisted in content takedown operations
- Supported investigations related to digital impersonation and fraudulent accounts

Education

BSc(Hons) Computer Networking and IT Security 2022-2025

Islington College

London Metropolitan University

HSEB (+2 in Management) 2015-2017

Mount View English Boarding School, Dang

SLC 2015

Annapurna Boarding School, Ghorahi, Dang, Nepal

Certifications

eJPT – Junior Penetration Tester 2026

The eJPT is a hands-on, browser-based certification that validates practical skills across the full penetration testing lifecycle, including assessment methodologies, host and network auditing, exploitation, and web application security in a realistic lab environment.

Certified Social Engineering Defense Practitioner (CSEDP) 2026

The CSEDP is an entry-level certification that validates foundational knowledge of social engineering attacks, human-focused security vulnerabilities, and defensive strategies against phishing, vishing, impersonation, and manipulation techniques.

Certified Cybersecurity Educator Professional (CCEP), Red Team Leaders 2026

Covers training methodologies and practical approaches for developing cybersecurity knowledge and defensive skills.

AWS Academy Data Center Technician 2024

Description of topics related to managing and maintaining data centers that support AWS services

AWS Academy Cloud Foundations 2024

A detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

AWS Academy CloudSecurity Foundations 2024

Detailed description of the identity & access management features, secure networks to access resources, data encryption, monitoring, and incident response.

Academic project

- **Signature-Based Intrusion Detection System**
Developed a real-time web-based IDS using Python, Flask, and Scapy.
Integrated threat intelligence APIs (AbuseIPDB, AlienVault OTX, MalwareBazaar).
Implemented automated IP blocking and email alert notifications.
 - **Research on Risk Management and Control**
Conducted an in-depth research on risk management and control using NVDIA data breach as a case study.
 - **SQL Injection Attack simulation and prevention**
Conducted an SQL injection attack to identify vulnerabilities and implemented comprehensive security measures to prevent such attacks.
 - **Creation of cryptographic algorithm to enhance the security of ciphertext**
Developed a robust cryptographic algorithm by combining different ciphers to enhance the security of ciphertext.
 - **LPG Gas Detection and Monitoring System.**
Developed an LPG gas detection and monitoring system using NodeMCU as the microcontroller.
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Tools & Technologies

- Linux
- Python
- Flask
- Scapy
- Metasploit (fundamentals)
- SIEM Fundamentals
- AWS Cloud

Technical Skills

- Security & Offensive Security
 - Penetration Testing (Web & Network)
 - Vulnerability Assessment
 - Digital Risk Monitoring
 - Social Engineering Defense
 - Threat Analysis
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Achievements

- 2nd degree Black Belt
 - 5th Mt. Everest International Karate Championship 2019 3rd Place.
 - 4th Mt. Everest International Karate Championship 2018 2nd Place.
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References

Sadina Khadka

Vairav Technology



sadina.khadka@vairavtech.com
