

Riwash Neupane

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Summary

I'm a skilled Computer Engineer with a diverse background in Ethical Hacking, Web development, Software testing, and Engineering. I hold a strong understanding of Programming languages, Networking and has a proven track record of producing highquality, scalable, and efficient systems in a variety of industries. With the eye for detail and passion for technology, I'm able to bring my technical expertise to the table, making me a valuable asset in the field of Ethical Hacking, Web Development and Software testing. Whether working independently or as part of a team, I'm committed to delivering exceptional results and continuously improving my skills to meet the demands of a rapidly changing industry.

Technical Skills

- Data Analysis and Machine Learning
- Google and Microsoft Suite
- HTML, CSS, Bootstrap, JS, Python
- Python Scripting
- Gen AI and Security

- Digital Forensics and Incident Response
 - Vulnerability Assessment and Penetration Testing (VAPT) of Web App, Mobile App, API and Networks
 - Linux and it's tools
 - Networking, Antivirus, SIEM, FIM, Cloud Security and Cryptography concepts.
 - ISO 27001, NIST, PCI DSS
 - Cyber Security Professor and Instructor
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Professional Experience

Amnil Technologies- QA Internship (Oct 2022 – Mar 2023)

- Developed and executed test plans based on requirements and specifications, ensuring comprehensive coverage of functional and non-functional requirements.
- Explored Testing Tools like Cypress, Postman & Jmeter
- Testing the Application (Web and Mobile) manually and, writing tests and reporting bugs using Trello and spreadsheet

Associate Information Security Officer (Mar 2023 – Feb 2024)

- Learnt the fundamentals of VAPT, including the concepts of vulnerability assessment, penetration testing methodologies, and various tools and techniques used in the field.
- Performed vulnerability assessments, which involved scanning and analyzing target systems, applications using specialized tools like OpenVas, Nessus
- Used various tools for VAPT like Burpsuite, Owasp ZAP, NMAP, dirsearch and so on.
- Conducted a Phising awareness campaign using the tool called Gophish.
- Staying updated with the latest security trends, industry best practices, and new tools and techniques.
- Familiar with ISO 27001 domains, and conducted a Physical Safeguard training (Fire Drills and Fire Extinguisher Training) for the employees.

Swift Technology – Associate Information Security Engineer (Mar 2024 – June 2025)

- Conducted Vulnerability Assessment and Penetration Testing (VAPT) for Web App, Mobile App, API, Network and all types of security audits and inspections
- Regularly scanned and monitored internal and external systems and networks for any security loopholes
- Created and updated policy documents and forms

- Internal Audit, Risk Assessment and Gap Analysis using ISO 27001, NIST 800-53.
- Reviewed hardening of Operating systems, servers and other enterprise devices
- Reviewed SIEM, FIM, Antivirus logs and conducted analysis of logs
- Provided prompt support for any information security issues.

Cybersecurity Academic Professor / Instructor / Trainer (January 2025 - Present)

- Taught Cybersecurity Audit, Cyber Laws, and other cybersecurity-related subjects at different colleges including KFA Business School, MIT College.
- Served as a Cybersecurity Trainer and Instructor at colleges and institutes, delivering both theoretical and practical sessions.
- Conducted cybersecurity workshops and awareness programs for various organizations, including CFC, PK-IT, and others.

NMB Bank Limited – IT Security Officer (June 2025 - Present)

- Conducted VAPT of web applications, mobile apps, and APIs.
 - Secured servers by implementing hardening, patching, and configuration controls.
 - Monitored firewalls, IDS/IPS, and SIEM tools for threats and anomalies.
 - Investigated and responded to security incidents and vulnerabilities.
 - Ensured compliance with NRB directives, ISO 27001, and PCI DSS requirements.
 - Supported IT audits and maintained security documentation.
 - Conducted internal security awareness training and phishing simulations.
 - Reviewed security aspects of new systems and third-party integrations.
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Education

| Course | Institution | Grades | Board |
|-----------------------------------------------------------------------------------------|-----------------|-----------------|--------------------------------------------------------|
| MSc in Computer Engineering specialization in Network and Cyber Security (2024-Present) | Pulchowk Campus | Masters running | Institute of Engineering (I.O.E), Tribhuvan University |

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|-------------------------------------------------------------|---------------------------------|---------|--------------------------------------------------------|
| Bachelor of Engineering in Computer Engineering (2018-2023) | Himalaya College of Engineering | 68% | Institute of Engineering (I.O.E), Tribhuvan University |
| +2 Science (2016-2018) | Prasadi Academy | 3.4 GPA | Nepal Examination Board (N.E.B) |

Certifications/Trainings/Achievements

1. Ethical Hacking Essentials (EHE) by EC-Council
2. TCM Security
3. Short Course: Pen Testing (Charles Stuart University)
4. HTML, CSS, Bootstrap, JavaScript [Udemy]
5. Certified in Cyber Security (CC) by ISC2
6. Cyber Security Professional by Google
7. ISO 27001:2022 ISMS Internal Auditor Training (QualityAsia)
8. Certified AppSec Practitioner (CAP) by TheSecOpsGroup
9. Certified Network Security Practitioner (CNSP) by TheSecOpsGroup
10. Certified API Security Analyst (CASA) by Apisec University
11. APIsec Certified Practitioner by Apisec University
12. Cyber Threat Intelligence by arcX
13. CISSP / CEH (Ongoing Preparation)