

Aayushman Thapa Magar

Ayushman2000@outlook.com | +977 9851242186

Kathmandu 44600, Nepal

Professional Summary

Penetration tester with over 2 years' experience performing assessments on Mobile applications, Web applications, and Network infrastructures. Has successfully completed over 35 VAPT projects, working with multinational governmental and private organizations; across health, education, and finance, among others industries.

Successfully audited and secured web 3 projects across various blockchains and performed penetration testing on distributed applications (dAPPs).

Skills

Technical Skills

- Mobile Application Penetration Testing
 - Performing **static** and **dynamic** analysis on **iOS** and **Android** mobile applications.
- Web Application Penetration Testing
 - Assess web application for **server-side** and **client-side** vulnerabilities.
- Network and Infrastructure Penetration Testing
 - Perform **external** and **internal** network VA and PT
 - **Active Directory** penetration testing
- API collection Penetration Testing
 - Perform assessments of **REST**, **GraphQL**, and **SOAP** collections and web services.
- Phishing simulation
 - Setup and perform phishing simulation campaigns to
- Smart Contract Auditing and dAPPs penetration testing (Web3)
 - Perform **manual** and **automated code review** of smart contracts
 - Audit **Solidity**, **Rust**, and **Move** smart contracts
- Web Development
 - Develop web applications using **ReactJS** and **NodeJS**, with frameworks such as **NextJS**, **RemixJS**
 - Develop backend **REST** and **GraphQL** services
- Mobile Development
 - Develop mobile applications with **Flutter** and **ReactNative**

Soft Skills

- Generate reports and technical documents for deliverables
- Handle client communications and provide presentations
- Train and guide juniors

Summary of completed projects

| Sn. | Assessment Type | Projects Completed |
|-----|-------------------------|--------------------|
| 1. | Mobile Application VAPT | 15 |
| 2. | Web Application VAPT | 27 |
| 3. | Network VAPT | 17 |
| 4. | Smart Contract Auditing | 6 |
| 5. | API VAPT | 3 |

Work History

| CryptoGen Nepal Pvt. Ltd. | |
|---|-----------------------|
| Offensive Security Analyst | 2022 - 2024 |
| <ul style="list-style-type: none">• Web application penetration testing• Mobile application penetration testing<ul style="list-style-type: none">○ iOS (Static and dynamic analysis)○ Android (Static and dynamic analysis)• API Penetration testing<ul style="list-style-type: none">○ REST, GraphQL, SOAP• Network and Infrastructure Penetration Testing<ul style="list-style-type: none">○ External and internal VA and PT○ Active Directory VAPT• Report writing, presentations and client communications. | |
| Mokshya Protocol (National Agency Security System Pvt. Ltd.) | |
| Security Researcher | 2024 – Present |
| <ul style="list-style-type: none">• Solidity, Move, and Rust Contract audit• Manual code review• Automated testing (Slither, 4naly3er)• Smart contract fuzzing (Echidna)• Perform web application penetration testing on dAPPs• Report writing and project planning | |

Education

| Wendy House School | |
|--|-------------|
| School Leaving Certificate (SLC) | 2014 |
| Malpi Institute | |
| GCSE A-Levels | 2017 |
| Coventry University | |
| BSc (Hons) Cyber Security and Ethical Hacking | 2022 |

Certification

- Certified blockchain practitioner

Notable Achievements

- Achieved First position in national Hack the box leaderboards
- Speaker in OWASP Kathmandu
- Received financial rewards for securing web3 projects

Links

- <https://github.com/aayushmanthapamagar>
- <https://medium.com/@ayushman2000>
- <https://www.linkedin.com/in/aayushman-thapa-magar-0683961b8/>