

PRASANNA MALLA

Cybersecurity Graduate Applicant | API Security & Network Defense

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PROFILE

IT graduate (BSc. CSIT) with hands-on experience in secure backend development, network operations and applied OWASP practices. Focused on vulnerability assessment, penetration testing, API security and intrusion detection, and applying to MS programs in cybersecurity to build deeper offensive and defensive security expertise.

TECHNICAL SKILLS

Security & Networking	Risk management, secure authentication, encryption (HTTPS, hashing), OWASP practices, network setup, CCTV/PoE, Nmap, Wireshark
Programming	Python (Django), SQL, JavaScript, HTML/CSS
Tools & Systems	MySQL, SQLite, Git, Linux (basic)
Working Style	Team collaboration, problem solving, analytical thinking, communication

EDUCATION

BSc. Computer Science and Information Technology <i>Tribhuvan University — Nepalgunj Campus</i>	2019 – 2024
- Graduated with 73.93%; recognized as Most Talented Student, 2019 - Relevant coursework: Computer Networks, Network Security, Operating Systems, DBMS, Cryptography	
High School, Science Stream <i>Holy-Land Secondary School</i>	2017 – 2019
Graduated with 3.30 CGPA; recognized as an excellent student	

PROFESSIONAL EXPERIENCE

IT Associate <i>Dakshinkali Investment & Securities Pvt. Ltd., Kathmandu</i>	Jan 2025 – Jun 2026
- Developed secure Django-based applications with encrypted authentication and API integration - Applied OWASP practices to protect user input and data flow - Managed backend logic and secure database operations using MySQL	
Senior IT Support <i>Venue Recreation Pvt. Ltd., Nepalgunj</i>	Nov 2021 – Mar 2024
- Configured secure systems, installed switches and PoE devices, and managed internal network setup - Troubleshoot software/network issues with basic incident-response awareness - Worked within a team to maintain uptime and protect digital infrastructure	
Graphic Designer & IT Counselor (Remote) <i>AS7 Infosys, Kathmandu</i>	Jun 2020 – Aug 2021
- Advised users on secure use of digital tools during COVID-19 - Created digital awareness materials promoting cyber hygiene	

KEY PROJECTS

Online Room Rental System (DosroGhar) — Django, SQLite, Leaflet <i>github.com/ma-prasanna/Online-room-rental-system</i>
- Implemented secure login system and admin moderation for fraud prevention - Used encrypted data handling techniques and secure session management
Gym Management System — Django, SQLite
- Developed secure, role-based user access controls to protect member data - Enabled attendance tracking and payment history within secure sessions