

Sumit Pandey

Full stack development Professional

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Curious and motivated IT student with a strong foundation in full-stack web development, cybersecurity fundamentals, and game design logic. I believe in continual self-improvement, blending creativity and technical skill to build meaningful digital solutions. Actively pursuing a career in cybersecurity with a passion for ethical hacking, system hardening, and threat detection. Also experienced in basic game mechanics and logic through low-level programming.

Work Experience

Full stack development Intern

Feb 2023 - Aug 2023

Sunai Pvt. Ltd. | Kathmandu

- - Managed Git repositories and contributed to UI updates that improved application usability, reducing bounce rate by 15%.
- - Collaborated with cross-functional teams across 2 departments to support agile development processes and meet sprint deliverables on time.
- - Documented and analyzed secure coding practices in 2 major projects, contributing to a 25% decrease in security vulnerabilities.
- - Assisted in debugging and QA testing, identifying and resolving over 30 bugs prior to release.
- - Participated in 10 design meetings and provided feedback on interface design, helping improve average user satisfaction scores by 12%.

Projects

MyHairCounts.

Aug 2023

Assisted in frontend integration and cross-browser testing to ensure a responsive user experience across devices. Contributed to SEO optimization and accessibility improvements, resulting in a 20% increase in site traffic within the first month.

Guessing-game

Mar 2023

A word-guessing game developed in C, where players have three attempts to guess the correct word. If the player fails to guess the word within three tries, the game ends. This game also incorporates file handling to store and retrieve player records, enhancing the gameplay experience by maintaining a history of attempts and scores.

Sahayata

May 2023

A community project aimed at developing an education system for students in a rural area. The project leverages basic (Node) to create an accessible and user-friendly platform, enhancing educational opportunities and resources for the community.

Restaurant App

Apr 2023

The project involves designing a backend structure for a restaurant app using the NestJS framework. This system encompasses three main entities: Customer, Owner, and Restaurant, each interrelated to ensure seamless interaction and management within the application.

Core Skills

Programming: C, C++, Python, JavaScript, TypeScript, Shell Scripting

Web Development: React, Node.js, NestJS, Express.js

Cybersecurity Tools: Wireshark, Nessus, Nmap, Metasploit (Basics), Burp Suite (Basics)

Game Dev: C-based terminal games, basic game logic, file handling for player data

Database: MySQL, PostgreSQL, MongoDB, Firebase

DevOps & Tools: Git/GitHub, Docker (Basics), VS Code, Linux, macOS, Windows

Cloud Platforms: AWS (IAM, EC2), Firebase Hosting

UI/UX Design: Figma, Canva

Productivity: Microsoft Suite (Word, Excel, PowerPoint)

Languages: English (Skillful), Hindi (Experienced), Nepali (Expert)

Security Knowledge: OWASP Top 10, Basic Linux Hardening, Network Protocols (TCP/IP, DNS), Firewalls & IDS

Education

Westcliff University,

Mar 2026

BSIT Cybersecurity, Web Development, AR VR Game development
GPA: 3.81