

# Sandesh Poudel

Android App Developer / Penetration Tester

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## PROFILE

Progressive Android App Developer, Web Penetration Tester & Ethical Hacker with a strong focus on continuous learning and adapting to the evolving threat landscape.

## WORK EXPERIENCE

### Cyber Security Intern • Internship

Jan 2024 - Apr 2024

Prodigy Infotech, Virtual

Developed Python programs for encrypting messages (Caesar cipher), image encryption, password strength assessment, a keylogger, and a packet sniffer for network traffic analysis.

## EDUCATION

### Bachelor of Engineering (B.E), Computer Engineering

May 2023  
(ongoing)

TU IOE, Purwanchal Campus - Dharan

## PROJECTS

### [Tweetzy \(Android\)](#) ↗

Oct 2025

Tweetzy is a modern Android application meticulously engineered with Jetpack Compose for a declarative UI, utilizing MVVM architecture, Dagger-Hilt for Dependency Injection, and Kotlin Coroutines/Flows for a reactive data pipeline, all driven by a Retrofit service for JSONBin API access and server-side filtering with the X-JSON-Path header.

### [Quotes App \(Android\)](#) ↗

Sep 2025

This is a simple android application built with Jetpack Compose. It was created as a personal project to learn and practice building modern Android UIs using the declarative approach of Jetpack Compose. The app's purpose is straightforward: it displays a list of inspiring quotes, and when a user clicks on a quote, it navigates to a new screen to show the full text in detail.

### [Quiz App \(Android\)](#) ↗

Aug 2025

A simple and interactive Android quiz application built with Kotlin. It supports multiple categories, tracks user scores, and provides instant feedback on answers. The app features smooth navigation, progress tracking, and a confirmation dialog when exiting the quiz, supporting both back button and swipe gestures for a modern user experience.

### [PortSwigger labs/CTFs](#) ↗

Jan 2021 - Present

Solved 80+ PortSwigger labs.

Solved 60+ CTF challenges in platforms like picoCTF, Hacker101, etc.

Blogs/write-ups available in Medium.com

Casual Bug Bounty Hunter at HackerOne.

## SKILLS

- Android App Development (Kotlin, Jetpack Compose, MVVM Architecture, etc.)
- Vulnerability Assessment & Penetration Testing (VAPT)
- Web Application Security Testing (OWASP Top 10 & others.)
- Web Development (HTML, CSS & JavaScript)
- Programming (C/C++, Python)
- Scripting (Bash/Zsh, Powershell)
- Endpoint & System Security (System Hardening, IDS/IPS, Anti-Malware Protection, etc.)
- Networking & Protocols (TCP/IP/UDP, OSI Model, IPv4/IPv6, Network Topologies, etc.)