

Vaibhav Dwivedi

Computer Science Student | Security, Android and Backend Developer

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SUMMARY

Second-year B.Tech Computer Science student seeking an internship or entry-level software role. Built and shipped products across web, Android and desktop, including a live security platform (SecureScan Plus) with 800+ automated tests that won 1st Prize at the SPIRIT 3.0 Buildathon. Work spans Python and FastAPI backends, offline-first mobile apps in Kotlin and Flutter, and a Rust desktop app.

EDUCATION

B.Tech, Computer Science and Engineering | 2025 - 2029 (expected)

UCER Prayagraj (AKTU) | SGPA: 7.82 (Semester 1), 7.59 (Semester 2)

Class XII, CISCE | 90.25%

St. Mary's School

Class X, CISCE | 91.25%

St. Mary's School

PROJECTS

SecureScan Plus - Web and link security platform | *Python, FastAPI, Vercel*

- Built a live platform that checks whether a link, message, file or website is safe; won 1st Prize at SPIRIT 3.0 Buildathon (October 2026).
- Scans websites for weak security settings and monitors payment pages for tampered scripts.
- Maintains 800+ automated tests.

SETU - Offline emergency SOS messaging app | *Android, Kotlin, Flutter, Bluetooth, Wi-Fi*

- Built an Android SOS app that works with no mobile network or internet by relaying messages phone to phone over Bluetooth and Wi-Fi.
- Digitally signed every message so it cannot be forged.

Pagefort - Offline-first PDF toolkit | *JavaScript, pagefort.vercel.app*

- Built and deployed 26 PDF tools that run fully in the browser, so files never leave the user's device.
- Added redaction of Aadhaar and PAN numbers before a document is shared.

HyperDrop - Laptop to phone file transfer | *Rust, Linux desktop, Android*

- Built a file-transfer app that works on the same Wi-Fi with no internet required.
- Implemented receiver consent prompts and transfer receipts.

SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS, SQL (basics)

Used in projects (AI-assisted): Kotlin, Dart, Rust, PHP

Frameworks and tools: FastAPI, Flutter, React, Next.js, Git, GitHub, Vercel, Android

Areas: Web security, REST APIs, offline-first apps, software testing

EXPERIENCE

Founder and Core Developer, Entropy Studios | *Independent web studio*

- Plan and build websites and products for clients and look after their security.
- Build with AI coding tools and direct the work: choose the idea, design the product, test it and fix what breaks.

ACHIEVEMENTS

- 1st Prize, SPIRIT 3.0 Buildathon, October 2026 (SecureScan Plus).