

Sajay Chandran

Cyber Security Student | Software Developer

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SUMMARY

Third-year BCA student specializing in cyber security and ethical hacking. Built and released Frisyn, an anonymous Android app, handling the React Native app, Firebase backend and Google Play release independently with an AI-assisted development workflow. Practised enumeration and privilege escalation on vulnerable lab machines. Seeking an internship in software development, backend engineering or application security.

TECHNICAL SKILLS

Used in projects: React Native, Expo, EAS Build, Firebase (Firestore, Cloud Functions, Security Rules), custom authentication, Argon2id, Git, GitHub, Google Play Console, Python, debugging, technical documentation

Practised in security labs: Kali Linux, Linux, Nmap, Metasploit, Burp Suite, SNMP enumeration, CeWL, dirb, SSH, port forwarding, sudo privilege escalation

Currently learning: JavaScript fundamentals, digital forensics

PROJECTS

Frisyn: Anonymous Social App for Android | React Native, Expo SDK 54, Firebase

- Built and released an Android app with anonymous posts, emoji reactions, threaded comments, one-to-one chat with chat requests, 24-hour mood statuses, and in-app reporting and moderation.
- Designed a custom authentication system that minimises the personal data collected: Argon2id password hashing, a hashed device identifier to limit one account per device, and hashed single-use recovery codes.
- Used Firestore transactions to allocate sequential account numbers safely under concurrent signups.
- Wrote Cloud Functions and Firestore security rules, and built a remote version gate that fails open so a backend outage does not lock users out.
- Completed the Google Play release process: identity verification, content rating, data safety declaration and store listing. Built frisynd.app with privacy policy and account deletion pages.

Python File Organizer | IBM Advanced Python session

- Wrote a Python script that scans a directory and sorts files into folders by type.

Security Lab Write-ups | WestWild v0.1, HA: Vedas

- Educational lab exercises on vulnerable VMs (not professional engagements): chained enumeration, credential recovery, port forwarding and sudo misconfiguration to reach root, and documented attack path, root cause and remediation.

EDUCATION

Bachelor of Computer Applications (BCA), Cyber Security and Ethical Hacking | 2024 - present

Minor in Digital Forensics | Yenepoya (Deemed to be University), Bangalore, in collaboration with IBM

Currently Year 3, Semester 5. IBM sessions in Advanced Python and ethical hacking.

ACTIVITIES

Participant, TRIADA CTF 2025 and 2026 (24-hour edition), Yenepoya University, Bangalore.