

Kanishka Sahoo

Software Engineer

Email: hello@ksahoo.com **Location:** Bengaluru, Karnataka, India

Portfolio: ksahoo.com **LinkedIn:** linkedin.com/in/kanishka-sahoo **GitHub:** github.com/kanishka-sahoo

2026 Computer Science graduate with internship experience building Python/FastAPI services and PostgreSQL-backed APIs, supporting production systems, and maintaining automated tests and CI/CD workflows. Built configuration-management APIs for an internal platform used by approximately 1,000 engineers.

Work Experience

Software Engineer Intern

Aug 2026 – Present

Seceon Inc. | Bengaluru, Karnataka, India

- Develop software for Seceon's cybersecurity products across backend systems and Linux infrastructure.

Intern, Security Engineering

Jan 2026 – Jul 2026

GoTo Technologies India Pvt. Ltd. | Bengaluru, Karnataka, India

- Built a configuration-management REST API using FastAPI and PostgreSQL for an internal incident platform used by approximately 1,000 engineers.
- Reduced incident triage time by up to 75% with RAG search over thousands of past Jira incidents and tickets, using pgvector and Azure.
- Debugged production failures by analyzing application logs, diagnosing application and container faults, and rolling back Kubernetes deployments.
- Reduced vendor-risk assessment time by 90% with a new AI-assisted scanner (React, FastAPI) that has assessed dozens of vendors.
- Wrote and maintained automated tests, and maintained GitHub Actions CI/CD workflows across build, test, and deployment stages.

SOC Intern

Jun 2025 – Jul 2025

PESU-ISFCR | Bengaluru, Karnataka, India

- Built a real-time email-filtering tool that flags phishing and spoofed-sender messages before inbox delivery; triaged SOC incidents.

Research Trainee

Jun 2024 – Jul 2024

PESU-ISFCR | Bengaluru, Karnataka, India

- Developed a repeatable workflow to collect, compare, and report Google Drive Desktop forensic artifacts across the application lifecycle.

Technical Skills

Languages: Python, SQL, C++, C, Bash, Go

Backend: FastAPI, Flask, REST APIs, PostgreSQL, pgvector, WebSockets, React

Cloud & Infrastructure: AWS, Docker, Kubernetes, Linux, GitHub Actions, CI/CD, Git, Infrastructure as Code

Engineering: Data Structures & Algorithms, Object-Oriented Programming, API Design, Testing (pytest), Debugging, Production Engineering

Security: Authentication & Authorization, API Security, Secure SDLC, OWASP Top 10

Projects

Linkify — Link Management and Analytics Platform

github.com/kanishka-sahoo/linkify

- Built a full-stack link platform (TanStack Start, React, Neon Postgres, Drizzle ORM) with rule-based redirects, per-click analytics, and migrations.
- Designed a REST API with scoped, expiring bearer keys and role-based access, plus TOTP/passkey auth and Postgres-backed rate limiting.

Multi-Agent Workspace for Security Testing

github.com/kanishka-sahoo/pentest

- Built a FastAPI and React workspace that coordinates specialist agents and persists execution events in PostgreSQL.
- Implemented WebSocket output streaming with replay of persisted events and isolated long-running processes in Docker containers.
- Added pgvector retrieval, a provider-independent LLM integration layer, target allowlisting, and automated tests with pytest.

Education

B.Tech. Computer Science and Engineering — PES University | Specialization: Cyber Security and Connected Systems | GPA: 8.7/10 | 2022 – 2026

Certifications

CompTIA Security+ | CompTIA | Aug 2026

Achievements

Top 10, Terrathon 24-hour hackathon, IoT anomaly-detection challenge (Mar 2025) • Top-10 team finishes, ISFCR CTF events, PESU (2022–2024)