

# Suraj Kumar Saw

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## SUMMARY

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Cybersecurity engineer focused on secure code review, VAPT, and Python automation. Hands-on with offensive tooling (C2, port scanners) and defensive workflows (threat detection, incident response).

## EDUCATION

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**KIIT – Kalinga Institute of Industrial Technology**

*Bachelor of Technology in Computer Science and Engineering*

August 2022 – June 2026

*Bhubaneswar, India*

## SKILLS

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**Languages:** Python, Java, C, Shell (Bash), SQL

**Security:** VAPT, Secure Code Review, Network Defense

**Web and Backend:** Flask, Django, REST APIs, HTML

**Tools:** Git, Linux, Burp Suite, Wireshark, Nmap, Cisco Packet Tracer, Jupyter, Docker

## EXPERIENCE

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**Product Security Intern**

*HighRadius*

September 2024 – January 2026

*Hyderabad, India · Remote*

- Conducted vulnerability assessment and penetration testing (VAPT) across product surfaces, identifying and triaging issues spanning authentication, access control, and input-handling logic.
- Reviewed backend services for insecure patterns and drove remediation with engineering teams.
- Wrote Python automation for repeatable security checks, reducing manual triage effort on recurring review classes.

**Cyber Security Member**

*IoT Lab, KIIT*

December 2023 – April 2025

*Bhubaneswar, India*

- Documented VAPT workflows for IoT and network devices in a student-led security team.
- Built and demoed offensive-security proofs of concept (port scanning, C2 tooling) for lab knowledge-sharing sessions.

## PROJECTS

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**CypherC2** · Python, Flask, Web · [github.com/Surajkumarsaw1/CypherC2](https://github.com/Surajkumarsaw1/CypherC2)

- Designed a command-and-control framework for managing agents, executing commands, and transferring files via a web interface.
- Built for educational use to demonstrate red-team C2 mechanics and the corresponding blue-team detection opportunities.

**Network Port Scanner** · Python, Multithreading · [github.com/Surajkumarsaw1/port-scanner](https://github.com/Surajkumarsaw1/port-scanner)

- Multithreaded and multiprocessing port scanner across user-specified IP ranges and ports.
- Surfaced open-port and service-banner insights to support reconnaissance during authorized security assessments.

**Hybrid-Block-Diffusion** · PyTorch, Jupyter · [github.com/Surajkumarsaw1/Hybrid-Block-Diffusion](https://github.com/Surajkumarsaw1/Hybrid-Block-Diffusion)

- Compact transformer that jointly performs autoregressive next-token prediction and masked diffusion in token blocks (TIDAR-style hybrid attention).

## CERTIFICATIONS

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**Cisco Networking Academy:** Junior Cybersecurity Analyst Career Path; Cyber Threat Management. [Credly](#)