

RISHA BATRA

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SUMMARY

B.Tech Computer Science student (2023–2027) at Dronacharya College of Engineering and a cybersecurity enthusiast with experience in analyzing security risks, detecting vulnerabilities, and conducting OSINT-based investigations. Familiar with tools like Python, Linux, and basic forensic techniques. Interested in building a career focused on practical problem-solving and secure system development.

WORK EXPERIENCE

Cybersecurity Intern | Gurugram Police Cyber Cell (Gurgaon, India) On-site | June 2025 – July 2025

- Conducted OSINT and collected digital evidence for cases, preparing reports used in legal proceedings.
- Supported vulnerability assessment, OSINT research, and digital evidence analysis for incident reporting and case tracking.

AI Intern | TechSaksham (Microsoft & SAP CSR Initiative) Remote | Feb 2025 – March 2025

- Built a Python-based resume screening tool to automate candidate-job matching and shortlisting.
- Helped improve recruiter workflow by analyzing patterns in applicant data and optimizing selection efficiency.

Cybersecurity Intern | ShadowFox Remote | Jan 2025 – Feb 2025

- Conducted security assessments on web applications, including port scanning, directory brute-forcing, and traffic interception using tools like Nmap, DirBuster, and Wireshark.
- Identified plaintext credential exposure and recommended mitigation measures such as encryption, firewall configuration, and brute-force protection.

KEY EXPERTISE

TECHNICAL SKILLS:

Languages: Python, C, C++, Bash

Tools: Nmap, Burp Suite, Metasploit, Nessus, Hydra, Wireshark, Redline, KAPE, Autopsy, Volatility, TheHive, Velociraptor

Forensics & Incident Response: disk analysis, registry forensics, file system investigation, incident reporting, evidence handling

Operating Systems & Networking: Linux (Kali, RHEL), Windows, CLI operations, Bash scripting

Security Concepts & Practices: Threat Detection, SIEM, Firewalls, IDS/IPS, OWASP Top 10, Incident Response Lifecycle

Other Tools and Platforms: Git/GitHub, VS Code, Jupyter Notebook, TryHackMe

PROJECTS

Vuln-Detector – OWASP Top 10 Vulnerability Scanner ([Link](#))

- Developed a python-based Command Line Interface (CLI) tool scanning OWASP Top-10 vulnerability scanner that identified **20+ critical issues** XSS, SQLi, and misconfigurations across **100 sites**.
- Integrated modules for **subdomain discovery**, **broken link analysis**, and automated reporting.

ForgeStrike – OSINT Password Profiling Toolkit (AI-powered)

- Developed an AI-powered OSINT credential generator **40+ personal attributes** for red team operations.
- Assisted in OSINT, **Password Profiling**, **Hashcat/John Integration**, **AI-enhanced Pattern Analysis**.

SecureVision – Real-Time Threat Detection using ML ([Link](#))

- Developed a Random Forest model for detecting anomalies in security logs with high precision.
- Enabled proactive monitoring through Python-based threat classification dashboards.

ACHIEVEMENTS

- Tryhackme Top 8% | Level 8** -Learned cybersecurity skills and hands-on experience by solving rooms and labs on the platform.
- Ranked 2nd, E-Cell Pitching Competition** — Jawaharlal Nehru University (JNU), Delhi. (Project - [EVARA](#))

LEADERSHIP

Cybersecurity CO-LEAD | Deviators Club, Dronacharya College of Engineering July 2025 – Present

Networking Lead | Gurugram Police CyberCell Internship (Led a team of interns, managing security projects, monitoring systems, and coordinating collaborative cybersecurity tasks.)

EDUCATION

Dronacharya College of Engineering | Gurugram University Gurgaon, India
Bachelor of Technology – Computer Science and Engineering **2023 – Present**

St. Anselm’s Sr. Sec. School, Alwar | Central Board of Secondary Education Alwar, India
Grade 12th – Senior Secondary: **89%** **2023**

Silver Oak School, Alwar | Central Board of Secondary Education Alwar, India
Grade 10th –Secondary: **97%** **2021**

CERTIFICATION

- Linux (LFS101) | [The Linux Foundation](#)
- SQL Injection Attacks | [EC-Council](#)
- Fundamentals of Information Security | [Infosys](#)
- Introduction to OSINT | [SECURITY BLUE TEAM](#)
- Networking Basics | [CISCO](#)