Kartavya Ojha

Indore, India | Kartavya9977@gmail.com | +91 9479480460

GitHub Link | LinkedIn Link | Kartavya.in | Blog

Education

Mandsaur University, Mandsaur, M.P. *Aug 2024 – Dec 2026*
Bachelor in Computer Applications
Relevant Coursework: Operating Systems, Computer Networks, Web Technologies

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Skills

Security Operations: Threat monitoring, incident response, SOC workflows, real-time threat detection
Identity & Access Management: User lifecycle management, access controls, compliance
Programming/Scripting: Python (automation and security scripting)
Security Tools: Splunk (SPL queries), Google Cybersecurity tools
Networking: VLAN configuration, SSH setup, network security fundamentals
Databases: Experience with security logging and monitoring databases

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Professional Experience

Association for Cyber Security (ACS), Technical Projects And Outreach Lead *Jul 2024 – Present*

– Spearheaded the creation and management of cybersecurity-focused content across ACS social media platforms, increasing community engagement and technical reach.

– Launched awareness campaigns that educated students and professionals on security fundamentals and best practices.

– Coordinated training and upskilling programs for interns, streamlining onboarding and boosting team effectiveness.

– Organized and facilitated webinars and technical workshops, attracting participants from multiple universities and enhancing ACS's reputation as a knowledge hub.

Association for Cyber Security (ACS), Cybersecurity Project Mentor *Jul 2024 – Feb 2025*

– Led Team Guardian, mentoring and guiding a cohort of 13 members in the end-to-end development of a Vulnerability Assessment Framework.

– Provided project planning and code reviews to enforce secure development standards, ensuring robust and sustainable cybersecurity solutions.

– Awarded a Certificate of Appreciation for exceptional mentorship and leadership throughout the Team Guardian project.

Albus Security, Cybersecurity Intern *Feb 2024 – Sep 2024*

– Developed and deployed security tools—including a Remote Code Execution (RCE) detector and educational keylogger—accelerating threat identification and incident response processes.

– Engineered and tested automation scripts (brute-force, reverse shell payloads), increasing penetration testing coverage and effectiveness.

– Diagnosed and remediated complex web security flaws, such as open redirections and logic errors, greatly reducing exploit risks in client environments.

– Honored with a Certificate of Excellence and Letter of Recommendation in recognition of outstanding contributions and impact on team success.

Projects

SOC-L1 SimLab 2025

– Built an open-source SOC Level 1 triage simulator with Python and Streamlit.

– Designed a "war room" dashboard for realistic analyst workflows.

– Added severity color-coding, contextual event details, and uncertainty.

– Enabled hands-on incident triage, escalation, closure, and documentation.

Python Security Tools Suite *2024*

– Developed a keylogger and RCE scanner in Python for security testing and training.

– Automated basic brute-force scripts and reverse shell testing payloads for hands-on penetration testing.

– Tested and validated these tools in controlled lab environments.

Exploit Development Project *2024*

– Created Python-based keylogger and RCE exploit scripts to demonstrate security tool development.

– Improved detection and mitigation of common exploit patterns in lab exercises.

Certificates

– Google Cybersecurity professional , **Google**

– Ethical Hacking Essential , **EC-Council**.

– Cybersecurity Fundamentals , **IBM**.

– Introduction To Splunk , **Splunk**.