

# Yash Gaikwad

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## KEY COMPETENCIES

- Penetration Testing (Web, Network, and Systems)
- Web Application Security (OWASP Top 10)
- Vulnerability Scanning & Assessment
- Security Testing Tools (Burp Suite, Nmap, Wireshark)
- Metasploit & Meterpreter
- Exploitation Techniques (SQL Injection, XSS, CSRF)
- Critical Thinking & Problem-Solving
- Resilience & Persistence
- Adaptability & Continuous Learning

## RELEVANT EXPERIENCE

### Signature-Based Malware Detection Project

January 2024 – June 2024

- Developed a signature-based malware detection system as part of a college project.
- Designed and implemented algorithms to identify and block malicious software based on known signatures.
- Documented the development process and presented findings to peers and instructors.

### Web-vulnerability scanner Project

August 2024 – Ongoing

- A web vulnerability scanner, "Insp3ct0r," which identifies security vulnerabilities, including OWASP Top 10 risks.
- Automated vulnerability detection for websites with features like verbose console output and detailed security recommendations in reports.
- Focused on integrating common vulnerabilities, such as SQL injection and XSS, ensuring seamless scanning without manual options selection.
- Continuously refining the scanner to improve functionality, accuracy, and report generation for real-world applications.

### PortSwigger Web Security Academy Labs

August 2024 - Ongoing

- Actively solving PortSwigger's Web Security Academy labs to gain hands-on experience in web application vulnerabilities.
- Applied practical knowledge to identify and exploit vulnerabilities like authentication flaws, Cross-Site Scripting (XSS), SQL Injection, and more.
- Continuously building expertise in real-world web application security and enhancing problem-solving skills in cybersecurity scenarios.

## EDUCATION & PROFESSIONAL DEVELOPMENT

### Sanjay Ghodawat University, Kolhapur

- Bachelor of Computer Applications (BCA),  
Expected Graduation: June 2025 CGPA FY-8.30, SY-8.42

### Certifications:

- Google Cybersecurity Professional Certificate
- Ethical Hacking from Scratch: Complete Bootcamp 2024
- Bug Hunting & Web Security Bootcamp 2024

## EXTRACURRICULAR ACTIVITIES

### Cybersecurity Awareness Workshops

- Organized and conducted workshops on cybersecurity awareness for fellow students.
- Covered topics such as data protection, phishing prevention, online privacy best practices and hacking demonstration.

### IT Support Volunteer

- Provided technical support and troubleshooting assistance during the university hackathons such as hackera and for other technical events.