

AKSHAY MAHALA

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Education

- Chandigarh University** 2018 - 2022
Bachelor of Science in Computer Science
- Shri Girdhari Lal Model School SR SS, Sri Ganganagar** 2016 - 2018
Senior Secondary

SKILLS

- Network Scanning and Enumeration
- Web Application Testing
- HTML5
- CSS
- JS
- Risk Management
- Linux/Unix
- Malware Analysis
- Social Engineering
- Forensics Analysis
- Penetration Testing
- Threat & Vulnerability Management
- Vulnerability Assessment & Scanning

Projects

ChatBot | Java 2020

- Designed and built web applications using Java, resulting in a 30% increase in concurrent user capacity.
- Implemented robust security measures, reducing security incidents by 50%, including a zero-day vulnerability patching turnaround time of less than 48 hours.
- Collaborated with UX designers to revamp the user interface, resulting in a 25% boost in user engagement and a 15% increase in conversion rates.






Web Application Vulnerability Exploiter | Python3 2021

- Developed a custom web vulnerability scanner in Python 3, automating the detection of security weaknesses in web applications, resulting in a 30% reduction in manual testing time.
- Conducted comprehensive reconnaissance activities using Python scripts to gather information about target systems, identifying critical assets and potential attack vectors.
- Executed penetration tests on web applications, identifying vulnerabilities such as SQL injection, Cross-Site Scripting (XSS), and Cross-Site Request Forgery (CSRF), improving overall security posture by 50%.

Web-Based Facial Authentication System | Java 2022

- Achieved a 95% facial recognition accuracy rate through fine-tuning and optimizing the deep learning models, enhancing the user experience and security
- Implemented a responsive and user-friendly web interface with a 75% reduction in page load times, leading to a seamless user experience and increased user engagement.
- Integrated secure authentication protocols, including two-factor authentication (2FA), to fortify user data protection, unauthorized access attempts, reducing security breaches by 70%.
- Prepared detailed technical documentation and provided ongoing technical support, resulting in a 90% user satisfaction rate and minimal downtime.

Certifications

- Ethical Hacking Essentials (EHE) by EC-Council  Verify
- The Fundamentals of SOC by Palo Alto Networks  Verify
- Foundations of Cybersecurity by Google  Verify
- Security Intelligence Engineer Mastery Award by IBM  Verify
- Learn Ethical Hacking from Scratch by Udemy  Verify

Trainings

- Full Stack Web Development by Geekster