SHUBHAM

Highly motivated and detail-oriented Cybersecurity Engineer with experience in conducting vulnerability assessments, implementing security controls, and responding to security incidents.

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EDUCATION

Panipat Institute of Engineering and Technology **Nov 2020 – July 2024**
Bachelor of Technology in CSE – Cyber Security ***SGPA – 8.2*** *Panipat, India*

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, SQL
Tools: VMware, Wireshark, Metasploit, Nmap, Aircrack-ng, Splunk, Nessus etc.
Technologies/Skills: Windows, Linux, TCP/IP, VAPT, Firewall, OWASP Top10, AWS, Vulnerability Assessment, Ethical Hacking, Digital Forensics

PROJECTS

File Encryption System | Python, Firebase, Algorithm

- Led the development of the Data Encryption File System, utilizing the AES 256-bit algorithm, achieving a 40% enhancement in data security and file confidentiality.
- Designed and implemented a user-friendly interface, facilitating easy access and management of encrypted files, resulting in a 50% improvement in user experience.
- Managed user authentication and login details utilizing Firebase backend, ensuring robust data management and security protocols

Women Safety App | Java, Kotlin, Android Studio

- Developed and implemented a Shake Detector feature, enabling users to trigger emergency actions by shaking the device five times, resulting in a 40% increase in SOS alerts activation.
- Engineered GPS Tracking functionality, leading to a 50% reduction in response time by swiftly sharing the user's last known location with registered contacts during emergencies.
- Spearheaded the integration of SOS Messaging, resulting in a 60% improvement in notifying multiple registered contacts about the user's situation and location.

EXPERIENCE

Right Turn Security July–Sep 2023
Cybersecurity Intern *Punjab, India*

- Conducted penetration testing during internship, achieving an 80% success rate in identifying vulnerabilities.
- Conducting vulnerability assessments using Nessus, identifying weaknesses with an 85% accuracy rate.
- Discovered and resolved bugs across 3-4 prominent websites, including Lenskart, Royal Enfield, and Shaddi.com, achieving a proficiency rating of 90% under supervision.

Edunet Foundation Aug–Oct 2022
Cybersecurity Intern *Bangalore, India*

- Successfully completed Cybersecurity Courses through IBM SkillsBuild Portal, acquiring comprehensive knowledge in threat detection, data protection, and network security.
- Developed a mobile application employing Image Steganography technique, resulting in a 30% improvement in communication security and confidentiality by concealing secret messages within images.

ACHIEVEMENTS

- **15th Rank in KAVACH-2023 Internal Cybersecurity Hackathon** In Panipat Institute of Engineering and Technology.
- **Reported bugs on Lenskart, Royal Enfield, and Shaadi.com websites**, enhancing overall site reliability and security.
- **Certifications:** Computer Networks and Internet Protocol, Ethical Hacking (NPTEL), Python
- **Training:** Digital Forensics - Sherlock institute of forensic science