Garvit Haswani

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Summary

Cybersecurity engineer with expertise in full-stack web security, penetration testing, and cryptographic tools. Proven track record in securing WordPress, building steganography systems, and developing Red Team payloads with Raspberry Pi.

Education

Vellore Institute of Technology (VIT), Bhopal
B.Tech in Cybersecurity & Computer Forensics   Aug 2023 – May 2027

Work Experience

IBM (Edunet Foundation) – Cybersecurity Intern

Remote   Jan 2025 – March 2025

- Completed IBM-led training in penetration testing and vulnerability assessment
- Developed a Python-based steganography tool, boosting data confidentiality by 40%.
- Integrated cryptographic methods and implemented threat-mitigation logic.

Techlanz, Web Security & Development Intern,

Remote   Mar 2024–Aug 2024

- Secured WordPress sites with API restrictions and firewalls, preventing 95% of enumeration attacks.
- Contributed to full-stack development (HTML/CSS/Bootstrap/Node.js) improving performance by 30%.
- Conducted QA testing using Nmap, WPScan, and Burp Suite.

Projects

- **Steganography Tool:**
  GUI-based encryption/decryption app for hiding messages in images.
  Combined steganography with AES encryption to improve security by 40%.
  Reduced forensic traceability using noise-based image alteration.
- **Rubber Ducky Payloads (Ongoing):**
  Developed a HID-based master payload on Raspberry Pi Pico to extract detailed Windows network data and exfiltrate it to a webhook for real-time Red Team simulations.

Certifications

- Generative AI for Cybersecurity Professionals Specialization (Ongoing) - *IBM*
- Cybersecurity Professional Certification - *Google*
- Learn Ethical Hacking From Scratch – *Zsecurity*
- Career Essentials in Cybersecurity – *Microsoft & LinkedIn*
- Introduction to Critical Infrastructure Protection (ICIP) – *OPSWAT*

Technical Skills

- **Cybersecurity:** Penetration Testing, Steganography, Threat Analysis, Secure Coding
- **Programming:** Python, JavaScript, SQL
- **Web Development:** HTML, CSS, Bootstrap, Node.js, Git, GitHub
- **Security Tools:** Nmap, Burp Suite, WPScan, IBM Security
- **Cloud:** AWS, IBM Cloud

Additional Information

- Achievements: Recognized for responsible disclosure and problem-solving.
- Technical Blogs & Portfolio: Active writer on Medium; open-source contributor on GitHub.
- Languages: English, Hindi