

# Yash Kaushik

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## Profile

Pursuing **B.Tech in Computer Science and Engineering** with a specialization in **Cybersecurity**, possessing hands-on experience in **website design, secure web development, and cybersecurity practices**. Skilled in identifying vulnerabilities, designing responsive web interfaces, and implementing security measures to protect applications and data. Passionate about building innovative, user-friendly, and secure digital solutions while continuously expanding technical knowledge in both **development and information security**.

## Experience

### **CYBERSECURITY INTERN | SHADOW FOX | REMOTE, BANGALORE | JULY-2025**

- Conducted password-recovery and encryption analysis on VeraCrypt containers to evaluate encryption resilience and identify attack vectors.
- Performed static and dynamic PE file analysis to identify indicators of compromise and malicious behavior.
- Produced a comprehensive penetration-testing report for <http://testphp.vulnweb.com/> covering reconnaissance, attack plan, exploit execution, and remediation recommendations.
- SKILLS / TECHNOLOGIES**  
Penetration Testing, Vulnerability Assessment, Digital Forensics, Malware Analysis, , PE Analysis, VeraCrypt, Password Recovery, Wireless Attacks (deauth), Reconnaissance, Report Writing, OWASP, Kali Linux, Wireshark, Burp Suite.
- GitHub Link- <https://github.com/yashdkaushik/Shadow-Fox>

### **FREELANCE DEVELOPER -WEB DEVELOPER | PUNJAB HOSPITAL | SAHARANPUR | APRIL 2025 – JUNE 2025**

- Designed and developed a fully functional, responsive website for Punjab Hospital in collaboration with one team member.
- Link- <https://punjabhospitalphc.com/>

### **CYBER SECURITY INTERN | PINNACLE | REMOTE. KOLKATA | MARCH 2025- APRIL 2025**

- Password Analyzer: Developed a tool to evaluate password strength based on length, complexity, and entropy, providing users with insights to improve their password security.  
GitHub Link- <https://github.com/yashdkaushik/Password-Analyser>
- Image Encryption System: Implemented encryption algorithms to secure image data, ensuring confidentiality and protection from unauthorized access or tampering.  
GitHub Link- <https://github.com/yashdkaushik/image-encryption>
- Enhanced skills in cryptography, data protection, and secure coding practices.

## Projects

### Punjab Hospital Website

Live Website - <https://punjabhospitalphc.com/>

#### Description:

Developed a fully responsive and interactive single-page website for Punjab Hospital. The site includes appointment booking, doctor profiles, service sections, gallery, testimonial carousel, Google Maps integration, and SEO optimization.

#### Tech Stack:

HTML, CSS, JavaScript, Java (Backend), Google Maps API, Email Notification Integration.

#### Key Features:

- Appointment form with email alerts and database saving
- Mobile-friendly design with animated sections
- SEO and accessibility optimized
- Doctor cards and department listings
- Integrated Google Maps location

### IP Address Finder

GitHub Link - <https://github.com/yashdkaushik/IP-Address-Finder->

#### Description:

Developed a web-based tool to retrieve and display geolocation information for any public IP address using JavaScript and REST APIs. The application fetches details like city, country, ISP, time zone, and map coordinates and visualizes them on a clean, responsive UI.

#### Tech Stack:

HTML, CSS, JavaScript, IPify API, IP-API, Google Maps integration

#### Key Features:

- Detects user's public IP address automatically
- Allows manual IP input and lookup
- Displays geolocation data and ISP details
- Opens location in Google Maps
- Responsive design with error handling

## **Education**

### **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING - SPECIALIZATION IN CYBER SECURITY | JUNE 2026 | QUANTUM UNIVERSITY, ROORKEE**

CGPA: 7.5

**Summary:** Currently pursuing a bachelor's degree in computer science with specialization in Cybersecurity. Gaining in-depth knowledge of secure software design, vulnerability assessment, cryptographic techniques, ethical hacking practices, and threat mitigation strategies. Developed practical skills through hands-on experience, real-world case studies, and team-based projects, applying core computer science concepts to solve cybersecurity challenges. Constantly expanding my expertise by engaging in cybersecurity competitions, seminars, and self-directed learning to stay updated on the latest tools, techniques, and industry trends.

**Relevant Coursework:** Network Security, Ethical Hacking, Cryptography, Operating Systems, Web Development

## **Skills & Abilities**

### ***Technical Skills***

- **Programming Languages:** C, C++, Java, JavaScript
- **Web Technologies:** HTML5, CSS3, JavaScript,
- **Cybersecurity Tools:** Kali Linux, Wireshark, Nmap, Burp Suite, Metasploit
- **Database & Backend:** MySQL
- **Operating Systems:** Windows, Linux (Ubuntu, Kali)

### ***Cybersecurity Skills***

- Network Security & Protocol Analysis
- Ethical Hacking & Vulnerability Assessment
- Secure Coding Practices
- Cryptography Basics
- Penetration Testing

### ***Soft Skills***

- Problem-solving and Debugging
- Communication and Teamwork
- Time Management
- Continuous Learning
- Attention to Detail