

# YASH RAJ

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## Education

### Patliputra University

Bachelor of Computer Application

2024 – 2027

Patna, Bihar

## Experience

### ShadowFox

1 July 2025 – 31 July 2025

Cyber Security Intern

Remote

- Spearheaded project-based tasks at beginner, intermediate, and advanced levels during a 1-month virtual internship program, strengthening core cybersecurity skills.
- Collaborated with cross-functional mentors and peers to solve real-world cybersecurity challenges and present practical solutions.
- Implemented self-paced learning strategies alongside mentor-guided sessions, leading to measurable skill advancement and completion of project milestones.
- Managed end-to-end project submission requirements, including documentation and presentations, ensuring timely and high-quality deliverables.

## Projects

### Password Strength Checker | Python, PyQt5, Regex, GUI Design

July 2025

- Designed and developed a secure GUI-based tool to evaluate password strength based on key parameters such as length, character diversity, and symbol inclusion.
- Implemented Python's re module to perform real-time pattern matching for lowercase, uppercase, digits, and special characters.
- Built the entire frontend using PyQt5, featuring a modern interface with visual feedback via progress bar, password toggle (eye icon), and suggestion prompts.
- Added strength categorization logic (Weak, Moderate, Strong) with animated progress visualization to enhance user interactivity.

### WebSpyder | Python, Requests, BeautifulSoup, DNSPython, WHOIS, CLI

June 2025

- Developed a command-line tool for collecting OSINT data from websites.
- Features: WHOIS lookup, DNS records, subdomain discovery, CMS detection, SSL certificate info, and IP tracing.
- Designed a modular CLI interface allowing users to run specific scans or a full footprinting operation in a single command.

### Digi Trace | Python, Numverify API, Phonenumbers, CLI

May 2025

- Developing a tool focused on extracting intelligence from phone numbers.
- Identifies associated digital footprints such as social media accounts, messaging apps, and online profiles.
- Focus: Number-based reconnaissance, threat mapping, and identity linking.

## Technical Skills

**Languages:** Python, Bash, C, HTML/CSS, JavaScript, SQL

**Security Tools:** Nmap, Wireshark, Burp Suite, Metasploit, OSINT Framework, Dirb, Gobuster, Hydra, Netcat

**Technologies/Frameworks:** Linux, GitHub

## Certifications

### Ethical Hacking Bootcamp

June 2025 – August 2025

WS Cube Tech