Utkarsh Srivastava

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EDUCATION

VIT Bhopal University　　　　　　　　　　　　　　　　　　　　　　　　Bhopal, M.P.
Bachelor of Technology in Computer Science Spec. in Cyber Security　　　　*Sept. 2023 – Sept 2027*

Cathedral College　　　　　　　　　　　　　　　　　　　　　　　　　Jhansi, U.P.
Till Grade 12th　　　　　　　　　　　　　　　　　　　　　　　　*April 2007 - June 2022*

EXPERIENCE

Software Developer Intern　　　　　　　　　　　　　　　　　　April 2025 – May 2025
Kensium Solutions Pvt. Ltd.　　　　　　　　　　　　　　　　　　*Hyderabad, Remote*

- Improved search functionality implementing autocomplete with tries.Reduced Query Time upto 7-8%
- Explored ways to visualize GitHub collaboration in a classroom setting

Security Technical Team Member　　　　　　　　　　　　December 2024 – Present
OWASP VIT Bhopal Student Chapter　　　　　　　　　　　　　*VIT Bhopal, On-Site*

- Developed and maintained cybersecurity projects along with Shell N' Zen CTF 2025 Web And OSINT challenges aligned with OWASP (Open Web Application Security Project).
- Part of VIT Bhopal University's Official CTF Team - T.U.S.K. (The United Script Kiddies) with Overall rating : 294 with 112.535 pts in 2025 COUNTRY PLACE : 22 at ctftime.org
- Provided technical support for web platforms during Events and Handled Backend While CTF along with the Technical Team.

Cyber Security Researcher　　　　　　　　　　　　　　　　March 2025– March 2025
NULL VIT Bhopal Student Chapter

- Completed a virtual internship simulating real-world cybersecurity tasks including email phishing analysis, campaign simulation, and training delivery.
- Interpreted phishing metrics and performed incident response in a simulated SOC environment using tools like Splunk and Wireshark.
- Prepared custom security awareness training content based on phishing simulation results, targeting high-risk employee groups.

PROJECTS

autoRECON | *Python*

- The AutoRecon tool is built for automating the reconnaissance phase in penetration testing.
- It collects essential information about a target by: Enumerating open ports.
- Identifying services running on those ports. Conducting vulnerability scans. Conducting website reconnaissance, including subdomain discovery and vulnerability detection.
- Included features like subdomain enumeration, Nmap scanning, and directory brute-forcing with multithreaded execution.

SafeLock | *Python, MySQL, UNIX Shell Script*

- Implemented AES-256 encryption for data security, ensuring safe storage and retrieval of passwords.
- Reduced encryption/decryption latency by 25% through optimized cryptographic operations and multithreading.
- Implemented continuous delivery using TravisCI to build the plugin .
- Adopted MVVM architecture, Jetpack Compose, and Room Database for a scalable, maintainable codebase

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, UNIX Shell Scripting
Frameworks: React, Node.js, Express.js, Flask, WordPress, FastAPI, RestAPI
Tools: Wireshark, Burp Suite, Metasploit, nmap, TryHackMe, HackTheBox ,Git, Docker
CyberSecurity: Web Application Security, OWASP Top 10, Ethical Hacking, Penetration Testing, Vulnerability Assessment, Incident Response, Cybersecurity Fundamentals