

# Umang Gupta

## Cybersecurity Intern | Network Security | Threat Analysis

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### SUMMARY

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Cybersecurity-focused BCA student with strong academic performance and hands-on exposure to network security, vulnerability assessment, and system-level automation. Actively engaged in independent security research and tooling. Seeking a paid Cybersecurity Internship.

### EDUCATION

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#### Bachelor of Computer Applications (BCA), Integral University, Lucknow

Expected June 2026 · CGPA: 9.7

### TECHNICAL SKILLS

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- **Cybersecurity:** Network Security, Vulnerability Assessment, Web Security, OWASP Top 10, Threat Analysis, Security Documentation
- **Tools:** Kali Linux, Wireshark, Nmap, Burp Suite (Basic), Metasploit (Basic), VirtualBox, VMware
- **Scripting:** Python (Basics), PowerShell, HTML, CSS
- **Systems:** Linux, Windows · TCP/IP, DNS, HTTP/HTTPS

### PRACTICAL EXPERIENCE

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- Conducted independent security research and threat analysis in controlled lab environments
- Analyzed system behavior, vulnerabilities, and common attack techniques with documentation
- Studied defensive strategies and mitigation approaches through hands-on experimentation

### PROJECTS

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- **Cyber-Path:** Developed a cybersecurity learning resource outlining domains, tools, and career paths
- **SyncMaster:** Windows automation tool with logging and file synchronization for reliability
- **TheSecretJuice:** PowerShell utilities for command-line automation and system control

### SELF-DRIVEN SECURITY WORK

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- Analyzed third-party desktop applications to identify security weaknesses and unsafe behaviors (the sejda pdf project saves company licence cracking problem worth \$2000)
- Studied licensing, integrity checks, and application protection mechanisms from a defensive security perspective

- Researched secure software design, abuse prevention, and mitigation strategies to reduce misuse and financial risk