

# Hassan Ashraf Hassan

Cybersecurity Student · Web Application Penetration Tester · Bug Bounty Researcher · CTF Player

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## OBJECTIVE

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Cybersecurity student with hands-on experience in web application penetration testing and real-world vulnerability discovery. Actively participating in bug bounty programs, identifying high-impact vulnerabilities including IDOR, Broken Access Control, and SSRF, and following responsible disclosure practices. CTF player who secured second place in the finals of the FDC Summit CTF. Proficient with OWASP Top 10, Burp Suite, and Linux. Seeking a remote penetration testing internship to further develop offensive security skills and contribute to real-world security assessments.

## CYBERSECURITY EXPERIENCE

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### Cybersecurity Intern · MCS 2025

- Completed intensive training covering networking fundamentals, OS hardening, and penetration testing methodologies.
- Performed vulnerability assessments and produced structured findings reports with remediation recommendations.

### Independent Security Researcher · Bug Bounty Practice 2026 – Present

- Conduct real-world web application penetration testing on live targets across Bugcrowd, HackerOne, and YesWeHack, using OWASP Top 10 methodology.
- Identify, exploit, and responsibly disclose vulnerabilities including Broken Access Control, IDOR, SSRF, and Open Redirect.
- Built a custom nine-phase Python reconnaissance tool (recon9.py) integrating subfinder, amass, httpx, ffuf, waybackurls, gau, nuclei, and trufflehog.
- Produce professional reports with Proof-of-Concept (PoC), CVSS scoring, impact analysis, and remediation guidance.

## CTF & COMPETITIONS

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### FDC Summit CTF — Finals · 2nd Place CyberTalents · Cairo, Egypt · 2026

- Qualified for the on-site finals and secured second place.

## NOTABLE BUG BOUNTY FINDINGS

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### Critical IDOR — Unauthorized Chat Creation TeamViewer

- Discovered a Broken Access Control flaw allowing an attacker to create chats with arbitrary users, including an administrator account, by manipulating the accountId parameter.
- Demonstrated user enumeration and identity exposure as secondary impact.
- CVSS Score: 8.5 (High) · Status: Informative · Responsible disclosure followed.

### Critical Brute Force — Authentication Bypass HARMAN International (ca.jbl.com)

- Identified a brute force vulnerability on the login endpoint via HTTP method manipulation, allowing repeated authentication attempts without effective rate limiting.
- CVSS Score: 9.4 (Critical) · Status: RTFS.

### Unrestricted Webhook URL — SSRF & Data Exfiltration Risk Lightspeed Retail

- Found missing server-side URL validation on webhook configuration, allowing silent exfiltration of customer and sale data with potential SSRF via internal IP access.
- Severity: P4 · Status: Duplicate.

### Broken Access Control — Unauthorized Customer Group Creation Lightspeed Retail

- Identified missing server-side access control (REST + GraphQL) allowing a low-privilege cashier account to create customer groups reserved for higher-privilege roles.
- Severity: P5 · Status: Duplicate.

### Improper Access Control — Feedback Endpoint CyberGhost VPN

- Discovered improper access control on the feedback endpoint (/v2/feedback/{id}) allowing unauthorized access via path manipulation.
- CVSS Score: 8.6 (High) · Status: Duplicate.

### Open Redirect Vulnerability Slickdeals

- Identified a redirect flaw enabling phishing and credential theft attacks against authenticated users.
- Submitted a detailed PoC demonstrating real-world exploitability and impact.
- Status: Submitted and awaiting triage.

## TECHNICAL SKILLS

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- Penetration Testing — Web App PenTesting · OWASP Top 10 · Burp Suite · Nmap · Wireshark
- Vulnerability Classes — IDOR · Broken Access Control · Open Redirect · SSRF · XSS · SQLi (theory)
- Competitions — CTF · FDC Summit CTF Finals (2nd Place)
- Programming — Python · JavaScript · PHP · Java · HTML · CSS
- Frameworks — React.js · Node.js · Laravel
- Databases — MySQL · SQLite
- OS & Systems — Ubuntu Linux (primary OS) · Kali Linux · Windows · Basic Shell scripting
- Networking — TCP/IP · Packet Analysis · Subnetting · Cisco Packet Tracer · CCNA curriculum (completed)
- Reporting — CVSS scoring · PoC documentation · Responsible disclosure

## EDUCATION

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**Elsewedy University of Technology (SUtech)** *Exp. 2028*

- B.Tech in Networks & Cybersecurity · 3rd Year · GPA 4.0 / 4.3
- Preparing for eJPT v2 — eLearnSecurity Junior Penetration Tester certification
- Preparing for eWPTX v3

## CERTIFICATIONS

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- Introduction to Networks · Cisco Networking Academy
- Network Basics · Cisco Networking Academy
- CCNA (Cisco Certified Network Associate) — Curriculum Completed
- Cyber Threat Management · Cisco Networking Academy
- Network Addressing and Basic Troubleshooting · Cisco Networking Academy
- Getting Started with Cisco Packet Tracer · Cisco Networking Academy
- 5G Basics: What It's All About · Huawei ICT Academy
- Penetration Testing Student · Udemy (50.5 total hours)
- eJPT v2 (Junior Penetration Tester) · eLearnSecurity — In Progress
- eWPTX · eLearnSecurity — In Progress

## PROJECTS

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**recon9.py** *Python · Reconnaissance · Automation*

- Nine-phase recon automation tool integrating subfinder, amass, httpx, ffuf, waybackurls, gau, nuclei, and trufflehog for attack surface discovery.

**Python Packet Sniffer** *Python · Networking*

- Captures and analyzes live network traffic at the packet level; reinforced TCP/IP and protocol analysis skills.

**Basic Unix Shell** *Python · OS*

- Implemented a command-line shell in Python supporting core UNIX commands and process management.

**Bus Reservation System** *Java · MySQL · SQLite*

- Desktop application with booking, cancellation, and admin modules backed by relational database storage.

**UniTrack — Maintenance Request System** *PHP · Laravel*

- Three-role platform (Admin, Technician, User) for submitting and resolving campus maintenance requests.

**Expenses Tracker & Restaurant Delivery System** *JavaScript · React.js · Node.js*

- Full-stack web applications demonstrating backend logic, REST API design, and database integration.

**Cisco Packet Tracer Labs** *Networking*

- Designed and simulated multiple topologies covering routing, switching, VLANs, and troubleshooting.

## ADDITIONAL EXPERIENCE

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**IT Intern · Petrojet** *2025*

- Supported SAP ERP workflows and corporate IT operations including hardware/software troubleshooting.

## ACTIVITIES

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- Marketing Member — NASA Space Apps Challenge (Cairo Hub): community outreach and hackathon promotion.
- Volunteer — Charity organization: social and humanitarian community service.

## LANGUAGES

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- Arabic — Native
- English — Upper Intermediate