

# Philopater Shenouda Sedkiy

## Junior Penetration Tester

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### PROFILE

Information Technology graduate and Junior Penetration Tester with hands-on experience in vulnerability assessment and CTF solving. Proven track record through NTI's Ethical Hacking Track and DEPI Cybersecurity Internship. Experienced in delivering technical training for DECI (in collaboration with Udacity and Almentor), covering security awareness and programming. As a freelancer, I conduct security assessments and deliver actionable vulnerability reports. Passionate about Red Teaming, building security labs, and continuous professional development.

### PROFESSIONAL EXPERIENCE

#### Digital Pioneers

December 2025 – September 2026

##### *Participant*

- Selected for a nationally sponsored, fully funded scholarship designed to prepare youth for the ICT job market, delivered in collaboration with the Egyptian Military Academy and leading global technology partners.
- Completed a 9-month intensive diploma program combining academic rigor with real-world industry requirements, emphasizing practical cybersecurity skills and professional development.
- Gained exposure to advanced training modules supported by global tech leaders including Google, AWS, Microsoft, Cisco, Huawei, Fortinet, Palo Alto, Oracle, IBM, and Kaspersky.
- Developed expertise in penetration testing, vulnerability analysis, system hardening, and security frameworks aligned with international standards.
- Applied SMART goals and Agile methodologies to manage final project deliverables, collaborating within a cross-functional team to create professional schedules and career roadmaps using tools like Notion and Excel.

#### YAT Learning Centers

February 2024 – September 2025

##### Technical Trainer in DECI Program - *Part time*

- Mentored and trained 100+ students (ages 12 - 17) in the Digital Egypt Cubs Initiative (DECI), bridging the cognitive gap between different age groups within the same sessions.
- Cultivated a "Problem-Solving Mindset" by teaching students how to deconstruct complex technical issues using creative thinking and logical analysis before diving into code.
- Delivered comprehensive training on programming fundamentals and Cybersecurity basics, successfully increasing the overall technical awareness of participants by over 30%.
- Enhanced students' soft skills, including presentation techniques and creative collaboration, enabling them to communicate their technical ideas effectively.
- Adapted complex security concepts into age-appropriate content, ensuring high engagement and a solid understanding of digital safety and ethical hacking principles.

#### National Telecommunication Institute (NTI)

February 2025 – May 2025 Cairo, Egypt

##### *Internship Penetration Testing and Ethical Hacking*

- Participated in an intensive 288-hour technical program covering web, network, mobile penetration testing, Red Hat Linux, and Windows system hardening.
- Gained hands-on experience in tools like Nmap, Burp Suite, Metasploit, and Wireshark through advanced labs and simulated attack scenarios.

- Developed scripts in Python for network packet manipulation and web exploitation automation.
- Strengthened knowledge in Windows AD security, Linux administration, and ethical hacking frameworks aligned with international standards.
- Trained in project management, soft skills, and business communication to enhance workplace readiness and leadership capabilities.

### **Digital Egypt Pioneers Initiative (DEPI)**

April 2024 – October 2024

#### *Internship Vulnerability Analyst / Penetration Tester*

- Conducted vulnerability scanning on virtual machines and externally hosted test systems using Nessus and OpenVAS to identify misconfigurations and known vulnerabilities.
- Performed authorized web application penetration testing on intentionally vulnerable platforms such as PortSwigger Web Security Academy, TryHackMe, and Hack The Box.
- Utilized Metasploit, Burp Suite, and Kali Linux to analyze and exploit vulnerabilities including SQL Injection, XSS, CSRF, authentication flaws, and insecure configurations, with a focus on understanding remediation techniques.

## **EDUCATION**

### **The Egyptian E-Learning University – EELU**

2020 - 2024

#### *Bachelor of Information Technology*

GPA 3.08/4

#### Graduation Project in **Electronics E-store** A+

In my graduation project, I was responsible for programming an AI server in Python and establishing an API to connect it with a PHP backend. This integration ensured seamless data exchange between the AI module and the main application, enabling efficient machine-learning functionalities within the project.

## **COURSES**

Red Hat System Administration I & II	November 2023
Web App, Network Penetration Testing	November 2023
eLearnSecurity Junior Penetration Tester (eJPT v1)	August 2023
OWASP Top 10 (Web) 2021	July 2023
Certified Ethical Hacker (CEH)	July 2023
Windows Operating System and Domain Controllers	October 2022
Jr Penetration Tester	July 2022
Implementation of Computer Network Fundamentals	July 2023

## **TECHNICAL SKILLS**

**Web Application Security (OWASP Top 10):** Identified and analyzed common web application vulnerabilities (OWASP Top 10), including SQL Injection, XSS, SSRF, and LFI/RFI, with a focus on root cause analysis and secure remediation techniques.

**Penetration Testing & Security Assessment:** Conducted structured web and network security assessments to identify misconfigurations and exploitable services, leveraging industry-standard tools when appropriate.

**Operating Systems:** Administered and configured Linux (Red Hat, Kali) and Windows environments, with experience in user management, services, permissions, and basic system hardening.

**Automation & Scripting:** Developed Python, PowerShell, Go and Bash scripts to automate security tasks, streamline reconnaissance processes, and support repeatable testing workflows.

**Network Scanning & Monitoring:** Analyzed network traffic to detect abnormal behaviors, insecure protocols, and potential attack vectors, with a strong understanding of TCP/IP, HTTP/HTTPS, and DNS fundamentals.

**Security Reporting & Documentation:** Produced clear and structured security assessment reports, including vulnerability descriptions, impact analysis, risk severity, and practical remediation recommendations.

**Research & Threat Analysis:** Researched security vulnerabilities and attack techniques using public advisories and threat intelligence sources, and summarized findings into actionable insights.

## SOFT SKILLS

**Self Learning:** Quick to learn new tools, frameworks, and emerging threats in the cybersecurity landscape.

**Analytical Thinking:** Strong ability to assess complex systems, identify flaws, and propose effective solutions.

**Communication Skills:** Able to explain technical concepts clearly to both technical and non-technical stakeholders.

**Teamwork:** Experience working in cross-functional teams, leading group projects during internships and bootcamps.

**Time Management:** Efficient in handling multiple tasks and deadlines in structured and unstructured environments.

**Research Coordination:** Able to organize research tasks, timelines, and collaborate effectively with academic and technical teams.

**Committed:** Dedicated to continuous improvement and delivering high-quality results.

**Collaborative:** Strong team player, fostering cooperation and knowledge sharing in diverse environments.

**Problem-Solving:** Skilled at diagnosing complex technical issues, identifying root causes, and implementing practical, effective solutions under pressure.

## PROJECTS

**PhilopaterSh URL** October 2025 – November 2025

*Ph.Sh\_URL* [https://github.com/PhilopaterSh/Ph.Sh\\_URL](https://github.com/PhilopaterSh/Ph.Sh_URL)

Developed a Go-based tool for automated URL extraction and filtering, inspired by OrwaGodFather's *VirusTotalX*. Enhanced performance, data sources, and automation workflow.

**PhilopaterSh Subdomain** September 2025 – October 2025

*Ph.Sh-Subdomain* <https://github.com/PhilopaterSh/>

Built a high-performance subdomain enumeration tool in Go integrating multiple passive data sources, supporting concurrent discovery and clean output.

## LANGUAGES

**Arabic** - Native/Bilingual

**English** - Conversational