

## EDUCATION

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- **University of Milan** Milan, Italy  
*Bachelor's Degree in Computer Systems and Networks Security (GPA: 28.86/30)* 09/2024 – Present
  - Honours in Calculus I and Programming
- **IIS Alessandro Volta** Lodi, Italy  
*High School Diploma in Computer Science and Telecommunications: 94/100* 09/2019 – 06/2024

## WORK EXPERIENCE

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- **Penetration tester** Remote  
*Freelance* 08/2024 – Present
  - Conducting penetration tests on web applications and infrastructure.
  - Performing secure source code reviews using manual techniques and semi-automated tools.
  - Collaboration with development teams to remediate vulnerabilities through targeted patches, system hardening, and WAF implementation.
  - Drafting comprehensive technical reports featuring risk analyses and practical recommendations tailored to both technical stakeholders and non-technical audiences.
  - Delivering secure coding training sessions to development teams.
- **Vice President** Milan, Italy  
*K!nd4SUS CTF Team (official CTF team of the University of Milan)* 07/2025 – Present
  - Selecting and managing the CTF competitions the team participates in based on technical relevance and learning value.
  - Co-organized the K!nd4SUS CTF 2025 (200+ participating teams) and author of two challenges (Web and Misc).
  - Organizing events to raise awareness about cybersecurity and CTF culture.
  - Promoting the team's presence through university initiatives and presentations aimed at recruiting new members.

## SKILLS

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- **Programming Languages:** Python, Go, JavaScript, Bash, PHP
- **Security Skills:** Web exploitation, Penetration testing, API security, Secure Code Review, Reporting, Secure SDLC
- **Tools & Technologies:** Burp Suite, Semgrep, Gitleaks, SQLmap, Nuclei, Git, Linux

## SECURITY RESEARCH & PROJECTS

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- **CVE-2024-54687:** Cross-site scripting (XSS) vulnerability in Vtiger CRM v6.1 and earlier via the Documents module and the uploadAndSaveFile function in CRMEntity.php.
- **CVE-2024-56527:** Cross-site scripting (XSS) vulnerability in TCPDF versions prior to 6.8.0.
- **OWASP Cheat Sheet Contributor:** Contributed to the Laravel (rate limiting) and Node.js (permission model) Cheat Sheets.
- **HeaderSec:** Fast and modern tool written in Go for analyzing the security of HTTP response headers on websites.

## AWARDS

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- **Bronze Medal at the 2024 Italian Cybersecurity Olympiad:** For the second consecutive year, I qualified as a finalist among the top 100 students finishing in 28th place and earning a bronze medal.
- **Finalist at the 2023 Italian Cybersecurity Olympiad:** With over 4,000 participants from all over Italy, I managed to be among the 100 finalists by taking part in the national competition held in Turin.