Graphical user interface

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Assignment-02

In partial

fulfillment of the requirements

for the course of

### 

### **FA2024-SS2007**

Technical and Business Writing

### 

### **By:**

### 

Maryam Masood

22i-1169

BSCS-C

### **Resume**

**Maryam Masood**Email: i221169@nu.edu.pk | Phone: 923038018095  
LinkedIn: [www.linkedin.com/in/maryam-masood-694b412a8](http://www.linkedin.com/in/maryam-masood-694b412a8)

## **Career Objective**

Driven and detail-oriented Computer Science student specializing in cybersecurity and ethical hacking. Skilled in conducting vulnerability assessments, penetration testing, and analyzing security systems. Eager to apply hands-on experience with security protocols and tools to protect critical infrastructure at Tier3 Cyber Security Services.

## **Education**

**Bachelor of Science in Computer Science**FAST NUCES Islamabad  
Expected Graduation: June 2026

**ICS**Scholars Science College, Wah Cantt  
June 2020 - May 2022

**Matriculation**Margalla Grammar School, Wah Cantt  
May 2018 - May 2020

Relevant Coursework: Cybersecurity, Ethical Hacking, Network Security, Cryptography, Advanced Programming

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## **Technical Skills**

* **Security Tools:** Kali Linux, Metasploit, Burp Suite, Wireshark, Nmap
* **Programming Languages:** Python, C++, C#, Bash
* **Network Protocols:** TCP/IP, DNS, HTTP, SSL/TLS
* **Vulnerability Assessment:** OWASP Top 10, SQL Injection, XSS, CSRF
* **Operating Systems:** Linux (Kali, Ubuntu), Windows

## **Experience**

**Penetration Tester Intern**Vizz Web Solutions | Islamabad, Pakistan  
October 2023 – August 2024

* Conducted penetration tests on web applications and network systems to identify and exploit vulnerabilities.
* Collaborated with IT teams to remediate security risks, improving security posture by 30%.
* Utilized Metasploit and Burp Suite for vulnerability detection and demonstrated remediation strategies.
* Applied knowledge of the OWASP Top 10 security vulnerabilities to perform comprehensive penetration tests on web applications.

**Security Analyst Intern**SecureIT Innovations | Remote  
January 2023 – September 2023

* Monitored network traffic to detect and analyze potential threats.
* Developed and automated scripts to streamline vulnerability scanning and reporting.
* Assisted in resolving a variety of security incidents, reducing response time by 25%.

## 

## **Projects**

**Personal Penetration Testing Lab**

* Set up a home lab using Kali Linux and VirtualBox to practice penetration testing techniques, including privilege escalation, SQL injection, and cross-site scripting.

**Mock Web Application Security Assessment**

* Conducted a full penetration test on a sample web application, identifying vulnerabilities in SQL injection, XSS, and authentication flaws. Provided a detailed report with remediation steps.

## **Certifications**

* CompTIA Security+ (2023)
* Certified Ethical Hacker (CEH) (2024)

## **References**

Available upon request.

Cover Letter

**Maryam Masood**House#346 Phase 1 Extension, Wah Model Town, Wah Cantt  
i221169@nu.edu.pk  
923038018095  
November 7, 2024

**Hiring Manager**Tier3 Cyber Security Services  
Street 26, F-10  
Islamabad, Pakistan

Dear Hiring Manager,

I am excited to submit my application for the Penetration Tester position at Tier3 Cyber Security Services, as advertised on your company’s career portal. With a solid foundation in cybersecurity and hands-on experience in ethical hacking, I am enthusiastic about the opportunity to contribute to Tier3 Cyber Security Services’ mission of securing critical digital assets.

In my recent internship at Vizz Web Solutions, I conducted penetration tests on internal systems and web applications, detecting and mitigating high-impact vulnerabilities. I used tools like Metasploit, Burp Suite, and Wireshark to assess system integrity and collaborated with the IT team to implement security improvements that reduced vulnerabilities by 30%. This experience honed my skills in identifying security gaps and deepened my understanding of effective vulnerability management.

Additionally, I have developed a personal penetration testing lab to continually refine my skills and stay current with evolving cybersecurity threats. This hands-on approach has provided me with expertise in areas such as SQL injection, cross-site scripting, and network scanning. I am confident that my proactive attitude toward learning and commitment to cybersecurity would make me a valuable asset to your team.

Thank you for considering my application. I look forward to the opportunity to discuss how my skills and experiences align with the needs of Tier3 Cyber Security Services. Please feel free to contact me at your convenience.

Sincerely,  
Maryam Masood

**Reflection**

The Chain of Thought (CoT) process significantly enhanced my ability to logically break down the various tasks involved in crafting my resume and cover letter. By using a structured approach, I was able to align each section of my documents with the specific needs of the job description for the Penetration Tester role at Tier3 Cyber Security Services.

**Breaking Down Tasks Logically with CoT:** The most valuable lesson I learned from the CoT process was the importance of analyzing each job requirement and how it directly connects to my skills and experiences. For instance, instead of simply listing my skills, I carefully examined how each skill aligned with the responsibilities of the job. This methodical approach ensured that my resume and cover letter were not only comprehensive but also relevant.

**How AI Supported or Clarified My Thinking:** AI played a critical role in helping me organize my thoughts and refine the language in my resume and cover letter. For example, when reflecting on how to phrase my achievement in reducing security vulnerabilities by 30%, AI helped me craft a concise bullet point that effectively communicated the impact of my work. Additionally, AI assisted in framing my skills and experiences in a way that was clear and professional, especially when it came to describing my proactive learning approach, such as setting up a personal penetration testing lab. By prompting me to think through each section, AI provided clarity in terms of both content and structure.

**CoT Prompting's Role in Creating a More Targeted Resume and Cover Letter:** The CoT prompting process allowed me to craft a more targeted resume and cover letter by ensuring every element was tailored to the job. It made me consider not just what I had done but how it specifically matched the role’s requirements. This led to the creation of more compelling, purpose-driven statements. For example, in my cover letter, I used CoT to reflect on the company’s values and mission and how my skills in ethical hacking align with their commitment to securing critical assets. I also emphasized my hands-on experience with penetration testing tools and my proactive approach to learning, both of which are central to the role.

Overall, the CoT process helped me develop a more focused and impactful application package. By breaking down each requirement logically, seeking clarity through AI, and aligning my qualifications with the job’s needs, I was able to present myself as a highly suitable candidate for the Penetration Tester role.

Chain of Thought Prompting















