

## **COMSATS University Islamabad, Abbottabad Campus**

Department of Computer Science

### **REFLECTIVE SUMMARY**

Virtual Cybersecurity Internship – AIOU | January–February 2026

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#### **Personal Evaluation of the Overall Internship Experience**

The six-week virtual cybersecurity internship at AIOU was a well-structured and genuinely enriching experience. The progressive curriculum from foundational cybersecurity concepts and the Cyber Kill Chain presentation, through Linux and SQL hands-on practice, to the final deployment of the CyberFolio portfolio website provided a cohesive and meaningful learning journey. The consistent guidance of Ms. Laiba Bukhari and the structured weekly milestones ensured steady professional development throughout. Completing five certifications across Coursera and Cisco, alongside a live deployed web project, made the internship particularly rewarding.

#### **Relevance to Academic and Career Goals**

The internship directly reinforced multiple CUI courses: Operating Systems (Linux), Database Systems (SQL), Computer Networks (OSI model, TCP/UDP), and Information Security (CIA triad, OWASP, attack frameworks) applying theoretical knowledge in practical, professional contexts. It has solidified the intention to pursue a career in cybersecurity, specifically in network security and ethical hacking. The next steps include pursuing CompTIA Security+ and CEH certifications, with the CyberFolio website serving as a growing professional portfolio.

#### **Suggestions for Improvement**

A mid-point interactive review session beyond weekly written reports would allow more timely feedback. Incorporating a guided CTF (Capture the Flag) challenge or network vulnerability simulation would enrich the hands-on component. A shared digital workspace for interns and supervisors could also improve collaboration and resource sharing in a virtual setting.

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Submitted to: Mr. Mukhtiar Zamin (Faculty Supervisor, CUI Abbottabad Campus)

External Supervisor: Ms. Laiba Bukhari (AIOU)