

## **Assets, Threats, and Vulnerabilities**

**Provider:** IBM (Coursera, Cybersecurity Analyst Professional Certificate)

**Completion Date:** June 9, 2025

### **Overview**

This course covered the identification of organizational assets, potential threats, and vulnerabilities. It emphasized risk assessment methods, compliance checklists, and threat modeling frameworks to evaluate and prioritize security risks.

### **Key Topics Covered**

- Asset classification and threat categories
- Vulnerability identification and reporting
- Compliance frameworks and security organizations
- Access control and least privilege principles
- Risk registers and vulnerability assessments
- PASTA threat modeling and PESTEL analysis

### **Practical Applications**

- Completed compliance and access control worksheets
- Applied PASTA methodology with worksheets and diagrams
- Built a risk register and vulnerability assessment report
- Evaluated AI compliance risks with the PESTEL framework
- Analyzed case studies on breaches and physical security incidents

### **Personal Reflection**

This course improved my ability to apply structured frameworks to identify risks and propose mitigations. Through worksheets, reports, and case studies, I gained practical experience linking theoretical models to real-world security analysis.