Dreadnought Lab – Week 12: Final Project – Build & Attack Secure API

# 🎯 Objectives

Create a secure API, defend it, and attempt to break a peer’s implementation. Document all flaws and mitigations.

# 📋 Lab Tasks

* ☐ Build a 2–3 endpoint Flask API with authentication and logging.
* ☐ Partner with a peer to test each other’s API with fuzzing, Burp, or scripts.
* ☐ Patch discovered flaws and document how they were found and fixed.

# 💡 Challenge Task

☐ Automate part of your attack using a script and generate a detection alert.

# 🧠 Reflection

Which skill or mindset from this course do you feel most confident using now?