Week 4 — Threat Detection & Web Security (Final Report)

Intern: Syeda Bushra Hamdani

Repository: https://github.com/SyedaBushra914/Cyber-Security-Internship-Week-04-6

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# Executive Summary

Implemented Fail2Ban sample, API hardening using rate limiting and API-key, and applied Helmet CSP and HSTS.

# Intrusion Detection

Configured Fail2Ban to monitor failed logins and node-api events; sample jail provided.

# API Hardening

Rate limiting with express-rate-limit; API key middleware; CORS allowlist.

# Security Headers

Helmet applied; CSP and HSTS enforced.

# Results

Endpoints respond only with valid API key; security headers verified; Fail2Ban shows configured jail.

# Screenshots



