

Kye Mora

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Areas of Expertise

Certifications

- CompTIA Security+ (2026)
- CCNA (In Progress)

Technical skills

Python | Java | Linux CLI | Git
TCP/IP | BGP | OSPF | SSH

Projects

Cisco Network Security Auditor - Python | Nornir | Netmiko | SSH

- Built a Python CLI with Nornir and Netmiko that SSHes into a fleet of Cisco IOS devices and checks each one against 21 CIS Benchmark hardening controls, scoring every device 0-100 based on finding severity

- Ran it against a live Cisco DevNet sandbox device, catching 13 real misconfigurations spanning management access, control plane settings, and known CVE exposure that dropped the score to 42/100; generated a per-device HTML report with a fleet-wide summary and severity-sorted remediation list, returning a non-zero exit code on CRITICAL/HIGH findings for CI/CD integration

Home Lab - Proxmox | pfSense | Active Directory | Kali Linux | Wazuh

- Deployed a virtualized network security lab on Proxmox, with pfSense enforcing firewall policy across VLAN-segmented attack, target, and management zones, and a Wazuh SIEM correlating network-level firewall logs with host-based agent telemetry from a Windows Server 2022 Active Directory domain and Linux endpoints

- Validated SIEM detection coverage for a Kerberoasting attack executed from Kali Linux via Impacket against the AD domain, extracting an RC4-encrypted service ticket hash from an under-hardened service account; systematically diagnosed and resolved a four-layer alerting gap (audit policy, index mismatch, agent configuration, stale dashboard cache) to confirm true end-to-end detection

Boom or Bust - Python | XGBoost | FastAPI

- Developed four position-specific XGBoost regressors trained on 2021-2024 NFL data incorporating Vegas lines, defensive matchups, snap rates, and red zone usage to predict weekly fantasy scores, achieving a QB start-sit accuracy of 83.4% on held-out test weeks

- Served predictions via a FastAPI backend with a deterministic rules-based reasoning engine that translates model features into plain-English start-sit explanations without a language model, paired with a player search and head-to-head comparison endpoint

Professional Experience

Code Sensei - Code Ninjas

Sep 2022 - Feb 2023

- Delivered STEM and coding instruction in JavaScript, Python, and block-based programming to students aged 5-13, explaining technical concepts to non-technical audiences and adapting curriculum to individual skill levels

- Managed simultaneous classroom sessions, assessing student progress in real time and providing hands-on technical feedback

Store Associate - IN-N-OUT Burger

June 2022 - Present

- Progressed to Level 6 associate over 3 years, the highest non-management classification, through consistent performance in a high-volume, fast-paced environment

- Trained and supported new team members while maintaining quality and operational standards under peak service demand

Education

California State University Dominguez Hills

Carson, California

Bachelor's of Science in Computer Science - 2025