

MUHAMMAD EHTISHAM

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PROFILE

Enthusiastic Final-Year Cybersecurity Student actively hunting for entry-level roles to start a career. Deeply interested in AI-driven Cyber Defense, Network Security, and Threat Hunting. Eager to apply academic knowledge and learn from experienced teams in a real-world environment.

PROFESSIONAL EXPERIENCE

National Aerospace Science & Technology Park (NASTP)

Islamabad, Pakistan

SOC Analyst Intern

July 2025 – Aug 2025

- Engaged in day-to-day SOC activities, gaining hands-on learning with various security monitoring tools.
- Performed APT tracking and threat hunting, mapping adversary behaviors against the MITRE ATT&CK framework.
- Contributed to the development of a Machine Learning-based DDoS detection system and monitoring dashboard.

AJ Power Plant

Remote

Contract Project: SIEM Engineer

Dec 2024 – Jan 2025

- Hired specifically as a SIEM Engineer to troubleshoot and resolve critical configuration errors in the SCADA infrastructure.
- Successfully deployed a Wazuh SIEM solution, restoring network visibility and fixing data ingestion issues.
- Ensured seamless and secure integration between the critical SCADA system servers and pfSense firewalls.

The Light Academy

Attock, Pakistan

Computer Science Teacher

Aug 2025 – Sept 2025

- Focused on academic delivery and building student interest in Computer Science as a core part of the job.

Freelance

Remote

IT & Security Support

Nov 2022 – Present

- Assisted diverse clients with troubleshooting and tool deployment, focusing on "learning while earning" to build skills.
- Solved technical problems across Linux and Windows domains, resolving configuration errors and deploying tools.

TECHNICAL PROJECTS

AI-Based Public Wi-Fi IDS (Final Year Project) | Raspberry Pi 4, Python, ML

- Developed a specialized, portable Intrusion Detection System (IDS) on Raspberry Pi 4 for securing open networks.
- Engineered detection logic to identify and block Layer 2 threats, including Deauth Attacks, Evil Twin, and Rogue APs.
- Integrated a Machine Learning classifier using Scikit-learn to analyze packet signatures and detect anomalies in real-time.

Honeypot on Cloud | Cloud Security, AI/ML

- Built a cloud-based deception system (Honeypot) designed to track attacker activities and analyze malicious behavior.
- Successfully recorded 1500+ daily attack attempts from across the world, generating actionable threat intelligence.
- Utilized AI-driven insights to distinguish between automated botnets and human adversaries.

IBM QRadar SIEM Exploration (Training Lab) | Cyber Academy, IBM QRadar

- Explored IBM QRadar SIEM through hands-on labs, learning log collection, normalization, and correlation.
- Practiced offense investigation and rule creation to understand real-time threat monitoring and detection.

Deployed Wazuh SIEM on Azure Cloud | Microsoft Azure, VirusTotal

- Deployed a cloud-native SIEM architecture on Azure, configuring agents for log collection and real-time threat detection.
- Integrated VirusTotal and File Integrity Monitoring (FIM) within Wazuh across Windows and Linux agents to automate malware analysis and detect system or network anomalies.

EDUCATION

Air University

Kamra, Attock, Punjab, Pakistan

Bachelor of Science in Cyber Security

2022 – 2026

CERTIFICATIONS & COURSES

(ISC)² Certified in Cybersecurity (CC)

Google Cybersecurity Specialization

AWS Academy Cloud Security Foundations

SOC & Security Assessment Bootcamp

TECHNICAL SKILLS

Languages: Python (Basic), C++, Bash

Tools: Wazuh, QRadar, Metasploit, Nmap, Wireshark, Snort

Cloud/OS: Microsoft Azure, DigitalOcean, Linux (Ubuntu/Kali), Windows AD