Hassaan Rauf

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Security Analyst

SOC Analyst | Forensics Researcher | Security Engineer

Highly motivated and detail-oriented Cyber Security graduate with a strong foundation in defensive security and incident monitoring. I have developed practical expertise through projects, certifications, and professional experience, covering areas such as security system architecture, web application security testing, digital forensics, and threat detection. With strong problem-solving skills, analytical thinking, and a passion for continuous learning, I am eager to contribute as a SOC Analyst by helping organizations strengthen their security posture and respond effectively to cyber threats.

EDUCATION

- **Rise and Shine Public School -** *Wah Cantt*

Matriculation – 85%

- **Base College** - *Wah Cantt*

Intermediate – 71%

- **Air University** - *Kamra*

Bachelor of Cyber Security (*2021 – 2025)*

CGPA – 2.52/4.00

Skills

- Digital Forensics
- Vulnerability Assessment
- Network Intrusion detection and Prevention (IPS/IDS)
- Security Monitoring & Threat Detection
- Collaboration & Reporting
- Information Security
- Incident Response Support
- C++/python

Certifications

CEH – Government of Pakistan (PFTP): Certified Ethical Hacker with practical expertise in ethical hacking fundamentals and intermediate techniques.

EHE – EC Council: Ethical Hacking Essentials, covering core principles and practices of ethical hacking.

DFE – EC Council: Digital Forensics Essentials, focusing on forensic investigation and evidence-handling techniques.

ISO/IEC 27001:2022 Information Security Associate – SkillFront: Certified in information security governance, risk management, and ISO 27001 compliance.

Advent of Cyber 2024 – TryHackMe: Completed hands-on cybersecurity labs and challenges, demonstrating applied problem-solving skills.

Capture the Flag – BlackHat MEA: Qualified and participated in the finals of one of the world's largest CTF competitions, Malham, Riyadh.

Experience

Pakistan Ordnance Factory – *Wah Cantt*

- As the Cybersecurity Engineer(Intern) in IT department of POF Wah Cantt.
- Learned valuable skill about management, monitoring and data handling under the highly professional supervision.
- From 01 July to 06 September 2024.

Core Competencies

- Web & Application Penetration Testing (OWASP, Burp Suite, ZAP)
- Threat Detection & Incident Response (SIEM, IDS/IPS, Wireshark)
- Digital Forensics & Evidence Handling (Autopsy, FTK Imager, OSFMount, RAM Capture)
- Vulnerability Assessment & Risk Management (Nessus, OpenVAS)
- Malware Analysis & Reverse Engineering (WinHex, ProDiscover, MRCv)
- Programming & Scripting: Python, C++
- Operating Systems: Linux (Ubuntu, Windows)
- Security System Architecture & Engineering

Volunteer Experience

Google Developer Student Club – *Air University Kamra*
Cyber-security society – *Air University Kamra*

Final Year Project

Deepfake detection tool for images using Deep learning models and techniques – *Air University Kamra*

- Developed a web-based system to detect manipulated images using deep learning models (**EfficientNet, XceptionNet, VGG16**).
- Trained on combined datasets (**FaceForensics++, Celeb-DF, DFDC**) to enhance model accuracy and reliability.
- Integrated Python-based backend with a React interface for real-time image analysis and confidence-based results.