**FATHIMA DIYA PATTANI SHAIK**

**Cybersecurity Graduate | Protecting Networks, Securing Systems, Driving Innovation**

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**Summary**

Honours **Cybersecurity Graduate** with a strong foundation in network defense, vulnerability management, and threat detection. Certified in **CompTIA Security+** and **CySA+**, with hands-on experience in configuring firewalls, performing vulnerability scans, analyzing security logs, and conducting web application security testing. Skilled in tools such as **Kali Linux, OpenVAS, Burp Suite, Wireshark, and Splunk**, and knowledgeable in **Active Directory**, **SIEM**, and **incident response procedures**. Passionate about leveraging technical skills and analytical thinking to enhance system security and contribute effectively to an organization’s cybersecurity posture.

**Certifications:**

* **Certified in CompTIA Security+**
* **Certified in CompTIA CySA+**

**Experience:**

**Cybersecurity Intern | Cloudex369 IT Solutions Pvt. Ltd | Calicut, Kerala | May 2025 – Oct 2025**

* Collaborated remotely with the development team to secure web and mobile applications through security

controls and secure coding practices.

* Performed vulnerability scans on application code and server configurations, documenting findings and

proposing remediation steps.

* Managed user access controls, monitored login activities, and maintained data integrity across hosted

environments.

* Supported system hardening initiatives and implemented basic network security configurations to strengthen

overall system resilience.

* Integrated security checks during application deployment, improving awareness of web and application security practices.

**Technical Skills:**

* **Networking & Security:** 
  + Protocols: TCP/IP, DNS, DHCP, VPN, VLAN, TLS/SSL, SNMP
  + Firewalls: Palo Alto (6 months hands-on), pfSense
  + SIEM & Monitoring: Wazuh, Splunk
  + Security Tools: Kali Linux, Burp Suite, Hydra, Volatility, Nmap, Metasploit
  + Frameworks: NIST, ISO 27001 compliance, disaster recovery planning
* **Systems & Cloud:** 
  + System Administration: Windows & Linux System Administration, VMware, VirtualBox
  + Cloud Platforms: AWS, Azure, Office 365 administration
  + Directory Services: Active Directory, Group Policy Management
* **Development & Documentation:** 
  + Python, Java, JavaScript, and PowerShell scripting
  + Technical documentation (Word, Excel).

**Professional Skills:**

* Strong communication, problem-solving, adaptability, attention to detail, time management, initiative, and teamwork skills

**Projects:**

* Network Vulnerability Assessment using OpenVAS
  + Performed comprehensive scans on a simulated enterprise network using OpenVAS to identify and categorize vulnerabilities.
  + Analyzed results, assessed risk levels, and proposed remediation strategies aligned with NIST security standards.
* Web Application Security Testing (OWASP Juice Shop)
  + Conducted penetration testing on the OWASP Juice Shop application to exploit and document OWASP Top 10 vulnerabilities such as XSS, SQL Injection, and Broken Authentication.
  + Provided mitigation recommendations and implemented secure coding practices to strengthen application security.
* Log Analysis and Threat Detection using Splunk
  + Configured Splunk to collect and analyze logs from simulated network devices and systems.
  + Created dashboards and alerts to detect suspicious activity, brute-force attempts, and unauthorized access patterns.
* File Integrity Monitoring using Python
  + Developed a Python-based File Integrity Checker that uses SHA-256 hashing to detect unauthorized file changes.
  + Automated alerts for integrity violations to improve data protection and early threat detection.
* Active Directory Security Lab
  + Built a Windows Server-based Active Directory environment for centralized user and policy management.
  + Implemented Group Policies, password rules, and access control measures following least privilege principles.
* Honeypot Deployment for Threat Monitoring
  + Deployed a Cowrie honeypot on a virtual network to collect and analyze attacker behavior and intrusion attempts.
  + Logged malicious IPs, command patterns, and payloads for security intelligence and incident response improvement.