

Ashish Kumar

Veraval, [Gujarat,362266]
+919023017730 | ashishk Rao3@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Bachelor of Technology in Information Technology

Sept 2020 – June 2024

Amity University, Noida, India - 7.2 CGPA

Relevant Coursework: Cybersecurity, Cyber Forensics, Data Structures and Algorithms, Database Management Systems, Cloud Computing

TECHNICAL SKILLS

Skills:SOC analysis,Web Security,Penetration Testing,Network Security,PKI,IAM,ITIL V4,Problem Solving, AWS Cloud, Risk Management

Frameworks:ISO27001, ITIL,OWASP TOP-10

Programming Languages: Python,SQL,Shell Scripting

Tools: Wireshark,Splunk,AWS,Burpsuite,Nmap,Metasploit,Nessus

EXPERIENCE

Graduate Engineering Trainee - Cyber Security

Aug 2024 - Present

Century Enka,Pune

- Assisted in implementing network security protocols, including firewall switch configurations and IPS/IDS monitoring, improving threat detection by 30%.
- Supported compliance audits for ISO27001 and DPDP-Act, ensuring 100% regulatory adherence.
- Worked on penetration testing exercises simulating Cyberattacks on internal system to identify and patch vulnerabilities before exploitation
- Managed role-based access controls, enforcing least privilege principles and reducing unauthorized access risks by 25%.

Network Security Intern

May 2023-June 2023

Grasim Industries, Veraval

- Assisted in configuring and managing Fortinet Firewalls,Improving network security posture
- Researched and Documented best practices for DDoS mitigation,endpoint security,and secure network architecture,contributing to team knowledge base updates
- Streamlined onboarding processes by setting up email accounts, VPN access, and MFA, reducing onboarding time by 20%.

PROJECTS

Secure Image Encryption and Transmission using ECC and AES

- Developed an image encryption system using AES-256 and Elliptic Curve Cryptography for secure image sharing between two client.
- Engineered encryption and decryption modules that achieved 100% data integrity
- Implemented a real-time image exchange system using Python and Web-sockets over UDP,ensuring efficient and low-latency transmission
- Integrated cryptographic libraries such as Crypto,HMAC,and hashlib,enhancing the security of the encryption scheme
- Configured a UDP-based communication channel to facilitate seamless image transfer over a local network
- Leveraged computer vision techniques with OpenCV and PIL to handle image preprocessing and post-Processing

Elastic Siem Lab Using Kali VM

- Configured the Elastic Agent on the Kali VM to collect the logs and forward it to the SIEM.
- Generated security events on the Kali VM like network scans, creating users and different other commands.
- Scripted Queries to find the security events in the Elastic SIEM.
- Created a Dashboard to visualize security events.
- Created rules and alerts for security events.

CERTIFICATIONS

ITIL-V4 Foundation issued by AXELOS (Nov-2024)

Fortinet Certified Associate Cybersecurity issued by Fortinet (Sept-2024)

0x8 [Hacker] in TryHackMe.Com

5star Python Programming - Hackerrank.com

5star Problem solving - Hackerrank.com