

Pallav Avatarit

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[Pallav's LinkedIn](#)



[Pallav's GitHub](#)

PROFILE

As a dedicated Cyber Security Professional, I bring valuable experience in data security, network configuration and security, OT/IT security, incident response, and threat mitigation. I currently work as a Cyber Security Project Manager at Cyber Waves BV, Netherlands, and hold a full-time master's degree in Cyber Security from the University of Birmingham, United Kingdom. I pride myself on strong communication skills, exceptional attention to detail, and adaptability in dynamic situations. My dedication to continuous learning and staying up-to-date with industry trends allows me to offer clients innovative security solutions. With excellent time management and organisation skills, I efficiently manage project timelines and deliverables while providing exceptional customer service. My commitment to professionalism and attention to detail ensures clients' security needs are met to the highest standards

KEY SKILLS

- Incident Response
- Network Security
- Penetration Testing
- Digital Forensics
- Web Application Security
- Email and Mobile Security
- Vulnerability and Threat Management
- Cloud Security
- Adaptability
- Time Management
- Communication Skills
- Learning Desire

TECHNICAL SKILLS

Security Frameworks: NIST, ISO 27001, IMO, SANS CIS, MITRE ATT&CK, Unified Kill Chain

Security Concepts: OWASP Top 10, SANS Top 25, Privilege Escalation, DevSecOps, Endpoint Detection and Response

Security Tools: Wireshark, Metasploit, Burp Suite, Nmap, IDA Pro, Nessus, Snort, Autopsy, Sysmon, Azure Active Directory

Languages: C/C++, Python, Java, PowerShell, MySQL

SIEM Tools: Splunk, IoT Defender, Microsoft Azure Sentinel, IBM QRadar

Cloud Computing: AWS, Azure

Technologies: Docker, Kubernetes, Git, YARA, Cisco Talos Intelligence, Identity and Access Management (IAM)

Operating Systems: Kali Linux, Windows, UNIX, MacOS

Other: Office 365 (Word, PowerPoint, Excel), Firewall, VPN, IPS/IDS, Anti-Virus, OSI Model, TCP/IP Model, Purdue Model

EXPERIENCE



Cyber Security Project Manager
Cyber Waves BV – Amsterdam, Netherlands

02/2023 – Present

- Designed and optimised the organisation's network architecture, enhancing performance and security outcomes, leading to increased productivity and reduced downtime
- Collaborated with stakeholders on cyber security matters, offering informed recommendations for continuous improvement and fostering a culture of security awareness
- Established network infrastructure with Fortinet firewalls, Cisco routers/switches, and Nord VPN integration, ensuring secure and reliable connectivity for employees
- Utilised Wireshark for PCAP file analysis to identify network assets, streamlining resource management and improving overall network visibility
- Worked with SIEM solutions such as Microsoft Defender for IoT for efficient network alerting and administration, reducing response time to security incidents
- Strengthened network defence with web/email filtering, traffic analysis, log analysis, anti-malware, access control, and encryption, mitigating risks and minimising potential breaches
- Conducted network and application performance monitoring to detect irregular activities, enabling proactive threat mitigation and minimising potential damage
- Investigated security alerts and spearheaded incident response initiatives, enabling faster containment and reducing the impact of breaches
- Developed vulnerability management systems for on-premises and cloud assets, ensuring comprehensive protection and minimising the risk of cyberattacks
- Supervised identity access management to safeguard against privilege escalation, maintaining system integrity and preventing unauthorised access to sensitive data
- Established automated patch management systems for timely application updates, reducing system vulnerabilities and enhancing overall security
- Led the recruitment of Cyber Security Interns, fostering a talented workforce to reinforce the organisation's security posture and enhancing its ability to adapt to evolving cyber threats

EDUCATION



University of Birmingham, United Kingdom

09/2021 – 09/2022

M.Sc. in Cyber Security (Graduated with 60%)

- **Key Modules:** Cryptography and Network Security, Advanced Networking, Digital Forensics, Malware Analysis, Penetration Testing, Secure Software and Hardware
- **Dissertation:** Conducted a detailed analysis of kernel-based anti-cheat systems in online video games, gaining insights into the potential vulnerabilities and security measures in gaming industry
- **Projects:**
 - Ransomware Analysis: Applied Reverse Engineering techniques to recover files affected by ransomware, enhancing understanding of malware functionality and mitigation strategies
 - Web Hacking: Performed SQL Injection and XSS attack on a vulnerable website, demonstrating the importance of secure coding practices
 - Binary Analysis/Game Hacking: Designed cheats for CS- GO game, furthering understanding of vulnerabilities and exploitation methods mainly penetration testing and malware analysis



Kalinga Institute of Industrial Technology, India

07/2017 – 05/2021

B.Tech. in Information Technology (Graduated with First-Class (8.12 CGPA))

- **Key Modules:** Software Engineering, Data Structure and Algorithm, Database Management System, Computer Architecture, Information Security, Operating Systems
- **Major Project:** Designed a full-fledged third-person 3D game named “Simple Shooter” using advanced concepts of Unreal Engine and C++, showcasing software development and problem-solving skills

CERTIFICATIONS



Microsoft Technology Associate (MTA): Cyber Security Fundamentals – Microsoft



Leadership Development Experience - AIESEC in Egypt

EXTRA-CURRICULAR ACHIEVEMENTS

Capture the Flag, TryHackMe

09/2022 – Present

- Gained hands-on experience in offensive and defensive security through regular participation in CTF challenges, sharpening problem-solving and technical skills in a competitive environment

Head of Photography, Qutopia – The Quizzing Society of KIIT

06/2017 – 03/2021

- Organised UDGHOSH – East India's largest open-level quiz, coordinating a team to manage an event with approximately one thousand participants from across the country for two consecutive years

Leadership and Organisational Role, AIESEC

12/2019 – 01/2020

- Led a cultural exchange program in AIESEC, the world's largest non-profit youth organisation, demonstrating strong leadership and project management skills

Team Head, International Press, KIIT Model United Nation

09/2018 – 10/2018

- Led a team of 10 journalists to capture events throughout the Model United Nations, honing leadership and event management skills

LANGUAGES

English

- Full Professional Proficiency (C2 Level)

Hindi

- Native or Bilingual Proficiency

Maithili

- Native or Bilingual Proficiency

Spanish

- Elementary Proficiency