

Pallav Avatarit

Cyber Security Project Manager



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[Pallav's LinkedIn](#)



[Pallav's GitHub](#)

PROFILE SUMMARY

As a dedicated Cyber Security Professional, I bring valuable experience in network security, OT/IT security, penetration testing, 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. 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
- Cloud Security
- Web Application Security
- Email and Mobile Security
- Vulnerability and Threat Management
- Endpoint Detection and Response
- DevSecOps
- Adaptability
- Time Management
- Communication Skills
- Lifelong Learning
- Attention to detail

TECHNICAL SKILLS

Security Frameworks: NIST, ISO 27001, IMO, SANS CIS, MITRE ATT&CK, Open Source Intelligence (OSINT)

Security Concepts: OWASP Top 10, SANS Top 25, Privilege Escalation, Purdue Model

Security Tools: Wireshark, Metasploit, Burp Suite, Nmap

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

SIEM Tools: Splunk, Microsoft Azure Sentinel, IBM QRadar

Cloud Computing: AWS, Azure

Technologies: Docker, 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

EXPERIENCE



Cyber Security Project Manager Cyber Waves BV

02/2023 – Present
Amsterdam, Netherlands

- Worked with SIEM solutions such as Microsoft Defender for IoT for efficient network alerting and administration, reducing response time to security incidents
- Executed comprehensive penetration testing, simulating top-tier cyber threats to bolster network security, test the capabilities of IoT Defender, and improve threat detection mechanisms
- Designed and optimised the organisation's network architecture, enhancing performance and security outcomes, leading to increased productivity and reduced downtime
- Established network infrastructure with Fortinet firewalls, Cisco routers/switches, and Nord VPN integration, ensuring 99.9% uptime and secure connectivity for employees
- Acted as the primary point of contact for IT security incidents, performing initial triage and escalation as needed, ensuring timely resolution and minimal disruption to operations
- Collaborated with stakeholders on cyber security matters, offering informed recommendations for continuous improvement and fostering a culture of security awareness
- Utilised Wireshark for PCAP file analysis to identify network assets, streamlining resource management and improving overall network visibility
- 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



Web Developer Intern R&C Estate

12/2019 – 01/2020
Cairo, Egypt

- Updated database with any new entries of real-estate properties using WordPress and PHP to assist front-end of the website
- Performed reinvigoration of company's marketing strategy using Search Engine Console to improve the quality and quantity of company's website traffic from search engines



EDUCATION



University of Birmingham

09/2021 – 09/2022

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

Birmingham, United Kingdom

- **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

07/2017 – 05/2021

B.Tech. in Information Technology (Graduated with 81.2%)

Bhubaneswar, India

- **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



Cyber Security Professional Certificate – Google

06/2023 – Present



Cyber Security Bootcamp – Microsoft

08/2020



Leadership Development Experience - AIESEC in Egypt

01/2020

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)

Spanish

- Elementary Proficiency

Hindi

- Native or Bilingual Proficiency

Maithili

- Native or Bilingual Proficiency

