Philip Manamel

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Career Profile

Driven and detail-oriented IT professional with a Master's degree in Cybersecurity and Penetration Testing, and a Bachelor's degree in Computer Applications. Solid foundation in computer science, software development, and cybersecurity principles, with practical experience in ethical hacking, vulnerability assessments, and system administration.

Proficient in Java, C++, and Python, and experienced with tools such as Metasploit, Wireshark, and Kali Linux for identifying and mitigating security threats. Skilled in web development and database management, with strong analytical abilities and a passion for emerging technologies. A quick learner and collaborative team player committed to delivering secure, high-quality solutions that enhance user experience and support organizational goals.

Skills

Languages: Java, C++, Python, JavaScript, SQL
Technologies & Tools: AWS, Git, Linux, Docker, MySQL, HTML/CSS, JavaFX
Areas of Focus: Cybersecurity, Penetration Testing, System Administration, Web Development
Soft Skills: Technical communication, Team collaboration, Research & analysis

Work Experience

WinRn, Thiruvalla   Apr 2021 – May 2024
System Administration Intern

- Leveraged data analytics to enhance personalized learning pathways, resulting in a measurable increase in user performance.
- Integrated simulation tools and real-time assessments, contributing to a rise in platform engagement.
- Resolved user issues with 90% satisfaction, reducing average response time by 20%.
- Supported back-end operations, improving platform reliability and user retention.

Education

Middlesex University Dubai, UK University   2024 - 2025
MSc Cybersecurity and Pen Testing
Gained advanced knowledge in network security, ethical hacking, digital forensics, malware analysis, and secure systems design. Developed hands-on skills through real-world penetration testing projects, vulnerability assessments, and use of industry-standard tools like Metasploit, Wireshark, and Kali Linux.

St Philomen's College, Mysore University   2021 - 2023
Bachelor of Computer Applications
Built a strong foundation in computer science, software development, and IT systems. Gained practical experience in programming (Java, C++), web development, database management, and system analysis. Developed problem-solving skills and a solid understanding of software lifecycle and business applications.

Relevant Skills & Courses

- **English (IELTS: 6.5), CEFR: B2**
- **Foundations of Cybersecurity-Google Credential ID: 9BTLJ7AJPJ5C**
- **Play It Safe: Manage Security Risks-Google Credential ID: 5DQYFVCRLJZS**

Projects

MEDICAL IMAGE CLASSIFICATION FOR LUNG CANCER
Developed and implemented machine learning models for lung cancer detection in medical images, demonstrating high accuracy in validation tests and improving early detection capabilities
Worked extensively with X-rays and CT scans, enhancing diagnostic accuracy and positively impacting patient outcomes in collaborative clinical studies.