

## myCPD Portal personal record

**Name:** Nadim Uddin

Date of CPD activity	My CPD record title	Type of CPD	Number of CPD hours	Name of organisation providing the training	Description	Learning outcomes and objectives
11th March 2024	Exam SC-200: Microsoft Security Operations Analyst	Online course	33.25	Microsoft Learn	Learn how to manage a security operations environment, Configure protections and detections, manage incident response and perform threat hunting.	<ul style="list-style-type: none"> <li>- Perform triage.</li> <li>- Respond to incidents.</li> <li>- Manage vulnerabilities.</li> <li>- Hunt for threats.</li> <li>- Evaluate logs.</li> <li>- Analyze threat intelligence.</li> <li>- Microsoft Sentinel</li> <li>- Microsoft Defender for Cloud</li> <li>- Microsoft Defender XDR</li> <li>- Third-party security solutions</li> </ul>
13th February 2024	Brute Force	Online course	1.25	Lets Defend	Learn how to detect brute force attacks against applications and systems	<ul style="list-style-type: none"> <li>- Introduction to Detecting Brute Force Attacks</li> <li>- Brute Force Attacks</li> <li>- Protocol/Services That Can Be Attacked by Brute Force</li> <li>- Tools Used in a Brute Force Attacks</li> <li>- How to Avoid Brute Force Attacks?</li> </ul>

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12th February 2024	IT Security Expert	Online course	1	Lets Defend	Basic questions to help evaluate the level of protection against cyber disasters on in a infrastructure.	<ul style="list-style-type: none"> <li>- Introduction to IT Security Basis for Corporates</li> <li>- Inventory</li> <li>- Backups</li> <li>- Phishing Prevention</li> <li>- Internet Browsing Protection</li> <li>- Patching</li> <li>- Access Control</li> <li>- Risk Analysis</li> <li>- Incident Response for IT Security</li> </ul>
11th February 2024	Virus Total	Online course	1.5	Lets defend	Learn how to use VirusTotal to become a better SOC Analyst.	<ul style="list-style-type: none"> <li>- Introduction to VirusTotal for SOC Analysts</li> <li>- File Analysis with VirusTotal</li> <li>- Scanning URLs with VirusTotal</li> <li>- Searching for IOC</li> </ul>
7th February 2024	Threat Analyst	Online course	1.25	Lets Defend	CTI types, attack surfaces, gathering TI data, and how to use them as a blue team member.	<ul style="list-style-type: none"> <li>- Introduction to CTI</li> <li>- CTI Lifecycle</li> <li>- Types of Cyber ??Threat Intelligence</li> <li>- Determining the Attack Surface</li> <li>- Gathering Threat Intelligence</li> <li>- Threat Intelligence Data Interpretation</li> <li>- Using Threat Intelligence</li> <li>- Threat Intelligence and SOC Integration</li> </ul>

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23rd January 2024	Incident Management 101	Online course	2.75	Lets Defend	Learn how to manage incidents and how incident management systems work.	<ul style="list-style-type: none"> <li>- Introduction to Incident Management</li> <li>- Basic Definitions About Incident Management</li> <li>- Incident Management Systems (IMS)</li> <li>- Case/Alert Naming</li> <li>- Playbooks</li> <li>- What Does the SOC Analyst Do When An Alert Occurs?</li> </ul>
22nd January 2024	Network Analyzer	Online course	3.75	LetsDefend	Examine different network log sources	<ul style="list-style-type: none"> <li>- Generic Log Analysis (Netflow)</li> <li>- Firewall Log Analysis</li> <li>- VPN Log Analysis</li> <li>- Proxy Log Analysis</li> <li>- IDS/IPS Log Analysis</li> <li>- WAF Log Analysis</li> <li>- Web Log Analysis</li> <li>- DNS Log Analysis</li> </ul>

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19th January 2024	Security Solutions	Online course	3.5	LetsDefend	Gain familiarity with Firewall, IPS/IDS, Antivirus, EDR and more!	<ul style="list-style-type: none"> <li>- Introduction to Security Solutions</li> <li>- Intrusion Detection System (IDS)</li> <li>- Intrusion Prevention System (IPS)</li> <li>- Endpoint Detection and Response (EDR)</li> <li>- Sandbox Solutions</li> <li>- Data Loss Prevention (DLP)</li> <li>- Asset Management Solutions</li> <li>- Web Application Firewall (WAF)</li> <li>- Load Balancer</li> <li>- Proxy Server</li> <li>- Email Security Solutions</li> </ul>
15th January 2024	SIEM 101	Online course	0.5	LetsDefend	What SOC analysts need to know about SIEM.	<ul style="list-style-type: none"> <li>- Log Aggregation and Parsing</li> <li>- Log Storage</li> <li>- Alerting</li> </ul>

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15th January 2024	Dynamic Malware Analysis	Online course	2	LetsDefend	Learn details about how to do dynamic malware analysis during the investigation	<ul style="list-style-type: none"> <li>- What is Dynamic Malware Analysis?</li> <li>- Importance of Dynamic Malware Analysis for SOC Analysts</li> <li>- Which tools and software do we need?</li> <li>- Creating Virtual Machine</li> <li>- What Should We Pay Attention to when we conduct a Dynamic Analysis?</li> </ul>
14th January 2024	Container Security in AWS	Webinar	1	Cloud Security Podcast (Youtube)	Container Security explained along with security challenges.	<ul style="list-style-type: none"> <li>- Understand the unique challenges and considerations in container security.</li> </ul>

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13th January 2024	Compliance in AWS for BEGINNERS - Cloud Security Meetup	Webinar	1	Cloud Security Podcast (Youtube	Video reviews the basics of the AWS Security Pillar, specifically discussing how organizations can leverage native AWS services to prove and maintain compliance on AWS and ease the the pain of cybersecurity audits.	<ul style="list-style-type: none"> <li>- Comprehend the AWS shared responsibility model and how it applies to compliance.</li> <li>- Identify the responsibilities of AWS and those of the customer in ensuring compliance.</li> <li>- Gain understanding in AWS CloudTrail for auditing and monitoring AWS resources.</li> <li>- Explore risk management principles in the context of AWS.</li> <li>- Understand the process of conducting compliance assessments in AWS.</li> <li>-Understand the importance of cross-functional teamwork in maintaining compliance in AWS.</li> </ul>

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9th January 2024	Detecting Web Attacks	Training course	2.75	LetsDefend	nvestigating web attacks as a SOC Analyst	<ul style="list-style-type: none"> <li>- Why Detecting Web Attacks Important</li> <li>- OWASP</li> <li>- How Web Applications Work</li> <li>- Detecting SQL Injection Attacks</li> <li>- Detecting Cross Site Scripting (XSS) Attacks</li> <li>- Detecting Command Injection Attacks</li> <li>- Detecting Insecure Direct Object Reference (IDOR) Attacks</li> <li>- Detecting RFI &amp; LFI Attacks</li> </ul>
9th January 2024	Phishing Email Analysis	Training course	2.75	LetsDefend	How to analysis of the most common attack vector in the cyber security industry.	<ul style="list-style-type: none"> <li>- Information Gathering</li> <li>- What is an Email Header and How to Read Them?</li> <li>- Email Header Analysis</li> <li>- Static Analysis</li> <li>- Dynamic Analysis</li> <li>- Additional Techniques</li> </ul>

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6th January 2024	SOC Fundamentals	Online course	1	Letsdefend	This training explains how SOC works and which tools we use for investigation.	<ul style="list-style-type: none"> <li>- Introduction to SOC</li> <li>- SOC Types and Roles</li> <li>- SOC Analyst and Their Responsibilities</li> <li>- SIEM and Analyst Relationship</li> <li>- Log Management</li> <li>- EDR - Endpoint Detection and Response</li> <li>- SOAR (Security Orchestration Automation and Response)</li> <li>- Threat Intelligence Feed</li> <li>- Common Mistakes for SOC Analysts</li> </ul>
1st January 2024	Dynamic Analyst	Training course	0	Lets Defend	Learn details about how to do dynamic malware analysis during the investigation	<ul style="list-style-type: none"> <li>- What is Dynamic Malware Analysis?</li> <li>- Importance of Dynamic Malware Analysis for SOC Analysts</li> <li>- Which tools and software do we need?</li> <li>- Creating Virtual Machine</li> <li>- What Should We Pay Attention to when we conduct a Dynamic Analysis?</li> </ul>



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16th October 2023	Cyber Defense	Online course	48	TryHackMe	The Cyber Defense path aims to give a broad introduction to the different areas necessary to detect and respond to threats.	<ul style="list-style-type: none"> <li>- Threat and Vulnerability Management</li> <li>- Security Operations and Monitoring</li> <li>- Threat Emulation</li> <li>- Incident Response &amp; Forensics</li> <li>- Malware Analysis and Reverse Engineering</li> </ul>
12th October 2023	SOC Level 1	Online course	56	TryHackMe	Responsibilities of a SOC level engineer.	<ul style="list-style-type: none"> <li>- Monitor and investigate alerts (most of the time, it's a 24x7 SOC operations environment)</li> <li>- Configure and manage security tools</li> <li>- Develop and implement IDS signatures</li> <li>- Escalate the security incidents to the Tier 2 and Team Lead if needed</li> </ul>

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4th October 2023	Security Engineer	Online course	40	TryHackMe	This path aims to give you an introduction to security engineering from various perspectives.	<ul style="list-style-type: none"> <li>- Introductory topics, such as discussing career journeys available to Security Engineers and security fundamentals required to be successful in this role.</li> <li>- Network, system, and software security engineering introductions, with a focus on security architecture, hardening, and understanding threats and vulnerabilities affecting these assets.</li> <li>- Discussion on threats and risks, involving topics such as risk management and threat modelling, equipping you with the necessary analysis skills.</li> <li>- Incident response skills important for Security Engineers, including understanding your role as a first responder and cyber crisis management.</li> </ul>
28th September 2023	Pre Security	Training course	40	TryHackMe	This learning path teaches the pre-requisite technical knowledge to get started in cyber security. To attack or defend any technology, you have to first learn how this technology works.	<ul style="list-style-type: none"> <li>- Network Fundamentals</li> <li>- Web Fundamentals</li> <li>- Linux Fundamentals</li> <li>- Windows Fundamentals</li> </ul>

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25th September 2023	Introduction to Cyber Security	Online course	24	TryHackMe	Core skills of Cyber Security.	Offensive Security; hacking your first application Defensive Security; defending against a live cyber attack Exploring security topics in the industry

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17th July 2023	Microsoft Azure Fundamentals: Describe cloud concepts (learning path)	Online course	1	Microsoft	<p>First module introduces introduces cloud computing. It covers things such as cloud concepts, deployment models, and understanding shared responsibility in the cloud.</p> <p>Second module introduces benefits cloud computing can offer you or your organization.</p> <p>Third module covers the different cloud service types and shares some of the use cases and benefits aligned with each service type.</p>	<ul style="list-style-type: none"> <li>- Describe the shared responsibility model.</li> <li>- Define cloud models, including public, private, and hybrid.</li> <li>- Identify appropriate use cases for each cloud model.</li> <li>- Describe the consumption-based model.</li> <li>- Describe the benefits of high availability and scalability in the cloud.</li> <li>- Describe the benefits of reliability and predictability in the cloud.</li> <li>- Describe the benefits of security and governance in the cloud.</li> <li>- Describe the benefits of manageability in the cloud.</li> <li>- Describe Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS).</li> <li>- Identify appropriate use cases for each cloud service (IaaS, PaaS, SaaS).</li> </ul>

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27th May 2023	Introducing Endpoint Manager	Training video	0.25	David Dalton (Youtube)	This video gives an overview of Microsoft Endpoint Manager (the successor of Microsoft Intune). It shows the admin console and some of the major features of the tool.	<ul style="list-style-type: none"> <li>- Dashboard.</li> <li>- Devices.</li> <li>- Device Overview.</li> <li>- Device Enrollment.</li> <li>- Policies.</li> <li>- Device Policies.</li> <li>- Adding Apps.</li> <li>- Endpoint Security,</li> <li>- Reports.</li> <li>- Create users.</li> <li>- Bulk Operations.</li> <li>- Windows Enrollment.</li> </ul>
27th May 2023	How To Secure Devices in Intune	Training video	0.5	T-Minus365 (Youtube)	Recommended security controls for Microsoft Intune.	<ul style="list-style-type: none"> <li>- Device Restrictions.</li> <li>- Device Compliance.</li> <li>- Device Compliance Policy.</li> <li>- MFA for Device Enrollment.</li> <li>- Security Baselines.</li> <li>- Patch Cycles.</li> <li>- Update Policies.</li> <li>- App Protection Policies</li> <li>- Conditional Access Policies.</li> <li>- Lockout Screen and Password Requirements.</li> <li>- Disk encryption.</li> <li>- Windows Hello for Business.</li> <li>- All Apps.</li> <li>- Wipe Devices.</li> <li>- CIS Benchmarks.</li> </ul>

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20th May 2023	Office 365 Support Administration Basics	Training video	1	Jobskillshare Community (Youtube)	Learning the interface and tools of Office 365.	<ul style="list-style-type: none"> <li>- Active Users.</li> <li>- Adding Users</li> <li>- Removing admin rights.</li> <li>- Managing contact information.</li> <li>- Contacts.</li> <li>- Guest users.</li> <li>- Azure active directory.</li> <li>- Deleting User</li> <li>- Groups.</li> <li>- Shared mailbox</li> </ul>

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2nd May 2023	CompTIA Security+ (SY0-601) Complete Course & Exam (Training)	Online course	22	Dion Training	This course, you learn the fundamentals of cybersecurity and gain experience in the configuration, management, and troubleshooting of common wired and wireless networks with lessons, lectures, and video demonstrations.	<ul style="list-style-type: none"> <li>- Overview of Security.</li> <li>- Malware.</li> <li>- Malware Infections.</li> <li>- Security Applications and Devices.</li> <li>- Mobile Device Security.</li> <li>- Hardening.</li> <li>- Supply Chain Management,</li> <li>- Virtualisation.</li> <li>- Application Security.</li> <li>- Secure Software Development</li> <li>- Network Design.</li> <li>- Perimeter security.</li> <li>- Cloud Security.</li> <li>- Automation</li> <li>- Network Attacks.</li> <li>- Security Networks.</li> <li>- Physical Security.</li> <li>- Facilities Security,</li> <li>- Authentication.</li> <li>- Access Control.</li> <li>- Risk Assessments.</li> <li>- Vulnerability Management,</li> <li>- Monitoring and Auditing.</li> <li>- Cryptography.</li> <li>- Hashing.</li> <li>- Public Key Infrastructure.</li> <li>- Security Protocols.</li> <li>- Planning for the worst.</li> <li>- Social Engineering.</li> <li>- Policies and Procedures.</li> <li>- Incident Response and Forensics.</li> </ul>

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2nd May 2023	Learn Python & Ethical Hacking From Scratch	Online course	25	Zaid Sabih - Zsecurity	The course assumes you have NO prior knowledge in any of these topics, and by the end of it you'll be able to combine skills to write python programs to hack into computer systems exactly the same way that black hat hackers do. This course teaches programming skills to write any program even if it has nothing to do with hacking.	<ul style="list-style-type: none"> <li>- Writing a MAC Address Changer</li> <li>- Python Basics</li> <li>- MAC Changer - Algorithm Design.</li> <li>- Programming a Network Scanner.</li> <li>- Writing an ARP spoofer.</li> <li>- Writing Packet Sniffer.</li> <li>- Writing a DNS Spoofer.</li> <li>- Writing File Interceptor.</li> <li>- Bypassing HTTPS</li> <li>- Writing an ARP Spoof Detector</li> <li>- Writing Malware.</li> <li>- Writing Malware - Keylogger.</li> <li>- Writing Malware - Backdoors.</li> <li>- Writing Malware - Packaging.</li> <li>- Website/Web Application Hacking.</li> <li>- Website Hacking- Writing a Crawler.</li> <li>- Writing a Program To Guess Login Information.</li> <li>- Writing a Vulnerability Scanner.</li> </ul>



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2nd May 2023	Complete Ethical Hacking & Cyber Security Masterclass Course	Online course	13	Joe Parys & Aleksa Tamburkovski - Joe Parys Support	<p>In this course, you learn information gathering &amp; Footprinting, evading Firewall &amp; IDS &amp; Honeypots using advance scanning, vulnerability analysis, gaining access to a Network and WPA2/WPA cracking, Evil Twin attacks, Man in The Middle to steal everyone's data, gaining access to a machine and system hacking, coding a project about Reverse Shell in Python. You also learn about post exploitation and stealing valuable information, Web application penetration testing with injections, Bruteforcers, packet sniffers, coding a project about making Bruteforcer in Python, creating undetectable Malware using C Language, Social Media hacking with different ways to gain access to online accounts.</p>	<ul style="list-style-type: none"> <li>- Set Up Virtual Environment For Ethical Hacking.</li> <li>- Install Windows &amp; Vulnerable Operating Systems As Virtual Machines For Testing.</li> <li>- Discover Vulnerabilities On Target Machines &amp; Servers.</li> <li>- Use Advance Scanning To Map The Entire Network.</li> <li>- Perform Vulnerability Analysis.</li> <li>- Learn How To Bypass Firewall, IDS/IPS Using Decoys And Advance Nmap Scanning.</li> <li>- Learn What Honeypots Are And Why You Should Avoid Them.</li> <li>- Crack The WPA/WPA2 Private Shared Key Using Multiple Techniques.</li> <li>- Make A Reverse Shell Using Python For Ethical Hacking.</li> <li>- Code A Website Login Form Bruteforcer Using Python..</li> <li>- Learn What Are Reverse &amp; Bind Shells Are.</li> <li>- Launch Various Man In The Middle Attacks.</li> <li>- Bypass Security Measures With Nmap Using Fragmented Packets.</li> </ul>

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2nd May 2023	The Ultimate Dark Web, Anonymity, Privacy & Security Course	Online course	10	Zaid Sabih - Z Security	With no prior knowledge required this course takes you from a beginner to advanced in topics teaching you how to properly and securely discover data and websites on both the dark web and clear web, access hidden (onion) services, communicate privately and anonymously using instant messages and email, manually use end-to-end encryption to protect your privacy and make it impossible to read even if it gets intercepted, sign and verify files, share files anonymously, transfer funds anonymously using crypto currencies such as Bitcoin and Monero . You also learn how to do all of this in a secure manner making it very difficult for hackers or other entities to hack you or de-anonymise you, and even if you get hacked these entities won't be able to easily control your system or de-anonymise you. This course covers four main topics. These main topics are Anonymity, Privacy, Dark Net, and Security.	<ul style="list-style-type: none"> <li>- The TOR Browser.</li> <li>- TAILS - Amnesic Inognito Live System.</li> <li>- Accessing the Dark Net - Entry Points.</li> <li>- Communicating Privately &amp; Anonymously - Using Email.</li> <li>- Communicating Privately &amp; Anonymously - Instant Messaging.</li> <li>- File Management &amp; File Sharing.</li> <li>- Encryption.</li> <li>- Cryptocurrencies - Bitcoin.</li> <li>- Cryptocurrencies - Monero.</li> <li>- Qubes OS.</li> </ul>

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16th March 2023	Level 2 Certificate in the Principles of Cyber Security	Online course	8	NCFE	In an increasingly digital world, cyber security is fast becoming a main concern for many organisations and there is a demand for Cyber Security courses in the UK. With complex online scams and cyber crime, it's essential that organisations have an understanding of preventative measures to maintain cyber security, including techniques and security checks needed to store data securely. This online course is a key starting point for anyone looking to begin their career in cyber security.	<ul style="list-style-type: none"> <li>- Introduction to cyber security</li> <li>- Understand terminology used in cyber security</li> <li>- Understand legal and ethical aspects of cyber security</li> <li>- Understand common threats to cyber security</li> <li>- Understand methods of maintaining cyber security</li> <li>- Working with others in cyber security</li> </ul>
18th February 2023	Excel Basics – A layman's Introduction in using spreadsheets by Hitcham and Mohamed Ibnalkadi	Literature	3	Hitcham and Mohamed Ibnalkadi	The book is part of a series that include MBA Core & Elective coursework taught at prestigious universities like Harvard and Wharton. The series consist of Core & Elective courses that stemmed from more than ten years of professional experience in Wall Street and Startups.	<ul style="list-style-type: none"> <li>- Formatting and Managing Worksheets.</li> <li>- Formatting Cells and Ranges.</li> <li>- Modifying Columns, Row and Cells.</li> <li>- Formula (Simple and Complex).</li> <li>- Functions.</li> <li>- Understanding Charts.</li> <li>- Advanced Excel.</li> <li>- Vlookup.</li> </ul>

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18th February 2023	Cyber security for dummies by Joseph Steinberg	Literature	11	Joseph Steinberg	<p>Cybersecurity For Dummies discussed the need to secure your own data (and your company's, too). You get step-by-step guidance on how to implement reasonable security measures, prevent cyber attacks, deal securely with remote work, and what to do in the event that your information is compromised.</p> <p>The book also offers:</p> <ul style="list-style-type: none"> <li>- Updated directions on how to prevent ransomware attacks and how to handle the situation if you become a target.</li> <li>- Step-by-step instructions on how to create data backups and implement strong encryption</li> <li>- Basic info that every aspiring cybersecurity professional needs to know.</li> <li>- Cybersecurity For Dummies is the ideal handbook for anyone considering a career transition into cybersecurity, as well as anyone seeking to secure sensitive information.</li> </ul>	<ul style="list-style-type: none"> <li>- Getting started with Cybersecurity.</li> <li>- Getting to know common attacks.</li> <li>- The bad guys you must defend against.</li> <li>- Improving your own personal security.</li> <li>- Enhancing physical security.</li> <li>- Cybersecurity considerations when working from home.</li> <li>- Protecting yourself from yourself.</li> <li>- Passwords.</li> <li>- Preventing social engineering attacks.</li> <li>- Cybersecurity for businesses, organisations and government.</li> <li>- Cybersecurity and big businesses.</li> <li>- Handling a security incident.</li> <li>- Recovering from security breach.</li> <li>- Backing up and recovery.</li> <li>- Resetting your device.</li> <li>- Restoring your backups.</li> <li>- Pursuing a cybersecurity career.</li> <li>- Emerging technologies bring new threats.</li> <li>- Ten ways to improve your cybersecurity without spending a fortune.</li> <li>- Ten lessons from major security breaches,</li> <li>- Ten ways to safely use public Wi-Fi.</li> </ul>

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16th February 2023	Certified in Cybersecurity - CC	Online course	20	(ISC) <sup>2</sup>	<p>This course provides a comprehensive review of information systems security concepts, industry best practices and terminology.</p> <ul style="list-style-type: none"> <li>- Security Principles.</li> <li>- Incident Response, Business Continuity and Disaster Recovery Concepts.</li> <li>- Access Control Concepts.</li> <li>- Network Security.</li> <li>- Security Operations.</li> </ul>	<ul style="list-style-type: none"> <li>- Define risk management terminology and summarize the process.</li> <li>- Classify types of security controls.</li> <li>- Distinguish between policies, procedures, standards, regulations and laws..</li> <li>- Practice the terminology of and review security policies.</li> <li>- Recall the terms and components of incident response.</li> <li>- Summarize the components of a business continuity plan.</li> <li>- Identify the components of disaster recovery.</li> <li>- Practice the terminology and review concepts of access controls.</li> <li>- Explain the concepts of network security.</li> <li>- Practice the terminology and review concepts of network security.</li> <li>- Explain concepts of security operations.</li> <li>- Identify key concepts of logging and monitoring.</li> <li>- Summarize the different types of encryption and their common uses.</li> <li>- Describe the concepts of configuration management.</li> <li>- Practice the terminology and review concepts of network operations.</li> </ul>

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15th January 2023	MySQL 2017	Training course	99.75	Caleb Curry (Youtube)	A series about what you can do using MySQL.	<ul style="list-style-type: none"> <li>- Defining all relationships.</li> <li>- Primary &amp; Foreign key.</li> <li>- Referential, Domain &amp; Entity Integrity.</li> <li>- Auto Increment.</li> <li>- Normalisation.</li> <li>- Data Types.</li> </ul>
24th September 2022	Active Directory Training for Beginners   Help Desk and Technical Support	Training video	0.5	SkillsBuild Training (Youtube)	Active Directory interface and how to use.	<ul style="list-style-type: none"> <li>- Change System Name.</li> <li>- Add Features &amp; Role.</li> <li>- Add Users.</li> <li>- Add Users in Groups.</li> <li>- Add Groups.</li> <li>- Recover a User.</li> <li>- Create an Organisational unit.</li> <li>- Create a Shareable Folder.</li> <li>- How to Add a Printer.</li> </ul>
24th September 2022	All things powershell	Training course	12	Shane Young (Youtuber)	Learning Powershell and it's uses.	<ul style="list-style-type: none"> <li>- Manipulating Objects.</li> <li>- Intro to PowerShell for SharePoint.</li> <li>- Powershell for Azure.</li> <li>- Date and Time with PowerShell.</li> <li>- Copy, Move, Delete Files in PowerShell.</li> <li>- String Manipulation.</li> <li>- ForEach.</li> <li>- Variables.</li> </ul>

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12th October 2019	PHP Tutorial: Make a Search Engine	Training video	0.5	Nick Frostbutter	This tutorial you learn how to make a search engine in PHP. The tutorial uses MySQL database and php arrays to search through the results in the database, based on the keywords entered in the form.	<ul style="list-style-type: none"> <li>- Creating a database.</li> <li>- Explode Function.</li> <li>- ForEach Loop.</li> <li>- Creating the Query.</li> <li>- Substring.</li> <li>- Connecting to a database.</li> <li>- Fetch Results.</li> </ul>
2nd March 2018	MySQL Database Tutorial	Training course	99.75	thenewboston (Youtube)	Creating a database in MYSQL.	<ul style="list-style-type: none"> <li>- SHOW and SELECT.</li> <li>- Advanced Data Filtering.</li> <li>- Expressions.</li> <li>- Functions.</li> <li>- GROUP BY.</li> <li>- Subqueries.</li> <li>- Joins.</li> <li>- Data manipulation.</li> </ul>

Date of CPD activity	My CPD record title	Type of CPD	Number of CPD hours	Name of organisation providing the training	Description	Learning outcomes and objectives
13th October 2017	Introduction to Computer Science Using Python - A Computational Problem-Solving Focus by Charles Dierbach	Literature	13	Charles Dierbach	Introduction to Computer Science Using Python: A Computational Problem-Solving Focus, recommended by Guido van Rossum, the creator of Python. With a focus on computational problem solving from Chapter 1, this text provides numerous hands-on exercises and examples, each chapter ending with a significant-size program demonstrating the step-by-step process of program development, testing, and debugging.	<ul style="list-style-type: none"> <li>- Data and Expressions</li> <li>- Control Structures</li> <li>- Lists</li> <li>- Functions</li> <li>- Objects and Their Use</li> <li>- Modular Design</li> <li>- Text Files</li> <li>- Dictionaries and Sets</li> <li>- Object-Oriented Programming</li> <li>- Recursion</li> <li>- Computing and Its Developments</li> </ul>



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13th October 2017	Object-Oriented Analysis & Design - Understanding System Development with UML 2.0 by Mike O' Docherty	Literature	12	Mike O' Docherty	The aim of this book is to give you a broad understanding of the processes and techniques used in object-oriented software development, the production of computer programs using object-oriented techniques. The Unified Modeling Language (UML) comes into play as the standard notation used in industry for software documentation.	<ul style="list-style-type: none"> <li>- Object Concepts</li> <li>- Inheritance</li> <li>- Type Systems</li> <li>- Software Development Methodologies</li> <li>- Gathering Requirements</li> <li>- Analysing Problems</li> <li>- Designing the System Architecture</li> <li>- Choosing Technologies</li> <li>- Designing the Subsystems</li> <li>- Reusable Design Patterns</li> <li>- Specifying the Interfaces of Classes</li> <li>- Continuous Testing</li> </ul>