Stage 2: Activity 2 – Video Creation
Video Topic:
Big Data for Cybersecurity: Threat Detection and Prevention

Learning Process (250–300 words)

For the Stage 2 self-learning activity, I created a video presentation on the topic *"Big Data for Cybersecurity: Threat Detection and Prevention."* This video was based on my article and expanded upon key concepts through visuals, case studies, and real-world examples. The goal was to explain how Big Data technologies are transforming cybersecurity through predictive analytics and real-time threat detection.

To prepare the video, I first researched the fundamental principles of Big Data and cybersecurity using credible sources such as Cisco Networking Academy modules, IBM Security blogs, and online journals. I designed a structured script that included an introduction, core concepts, real-life applications, and future prospects. I used Microsoft PowerPoint to create slides with diagrams and infographics highlighting data flow, the 5 Vs of Big Data, and examples like IBM QRadar.

For recording, I used OBS Studio and Canva Presentation Mode, ensuring clear narration and engaging transitions. The final video was edited using Clipchamp to maintain professional flow and visual appeal.

This activity enhanced my confidence in explaining technical topics clearly and improved my communication and presentation skills. It also helped me understand the practical integration of Big Data analytics in cybersecurity defense, making the topic both educational and industry-relevant.