

## Professional Development Artefact

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In this document I will go over a brief overview of the skills I demonstrated throughout this module and the skills that I still have to make improvement on. Overall, throughout the below sections, I aim to show a critical analysis of my capabilities and where I can be better. This is based on my own observations and reflections, alongside feedback received by my professor.

### Professional Skills Matrix:

Skill	Evidence of Application	Self-Assessment (Strength/Weakness)	Action Plan for Improvement
<b>Time management</b>	I missed multiple deadlines and did not complete any of the formative assessments.	This appears to be a general weak area for me. My missing assignment may in part be due to my inability to manage my independent studies, work, life and university at the same time; although multiple instances of missed assignment indicate a critical weakness requiring resolution.	<p>I must undertake a critical review of my responsibilities to decide my priorities and be realistic in my capabilities.</p> <p>I must seek to be more involved with my tutor and with seminars.</p>
<b>Critical thinking &amp; analysis</b>	Literature review and Research Proposal	This appears to be a strength of mine. My professor has provided feedback regarding my ability to "interrogate implications, evaluate technical tensions and highlight systemic contradiction""	I will reach out to my available tutor to identify potential biases or areas of personal ignorance prior to my capstone project
<b>Problem-solving</b>	My literature review and research proposal.	Demonstrated ability to decompose a complex,	I should shift from a last minute approach to use

		high-stakes problem into a manageable series of tasks under severe time constraints.	my problem-solving skills proactively, rather than last minute.
IT/Technical	Use of Github, Kali Linux, Python and various soc analyst tools.	As a strength, I am proficient in various tools in the field. This is likely due to my current work in the field and is something that I often leverage to make up for my other weaknesses.	I will continue to expand my skills with data analysis software. Programming languages appear to be my greatest technical weakness and therefore, likely to require the most focus.

### **SWOT:**

#### **Strengths:**

- **Strong Technical Capabilities:** I am confident with a wide breadth of tools and use of computer protocols and applications.
- **Ability to work under pressure:** Due to my work and often procrastinating on work, I am often tasked with high pressure work of which I am often able to perform well in.
- **High-Level Conceptual Understanding:** Solid grasp of advanced cybersecurity concepts including SOC operations, red-teaming and GRC,

#### **Weaknesses:**

- **Practical Scripting vs. Theory:** While I understand the theory, I have a large weakness due to my lack of experience in programming.
- **Confidence in Advanced Statistics:** I feel less confident in applying more complex statistical tests.
- **Poor time management Skill**

#### **Opportunities:**

- **Capstone Project:** The upcoming capstone project is a perfect opportunity to turn theoretical knowledge (scripting, stats) into practical, demonstrable skills.
- **Career Advancement:** A well-executed project and a polished e-portfolio can serve as a powerful showcase for future employers.

#### **Threats:**

- **Continued lack of time management improvement**
- **Resource Constraints:** The successful execution of my proposed research is dependent on securing the adequate resources for my concept.
- **Time Constraints:** The 16-week timeline is ambitious and could be derailed by unforeseen technical challenges or delays in participant scheduling