**CAPSTONE BIWEEKLY LOGS**

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| Name: | ONG JIA EN, DARRYL | Time Period [Start date – End date]: | 01/09/25-10/04/26 |
| Student ID: | **2301402** | Log Period: | Trimester 1/ Week 1 & 2 |
| Company: | WizVision Pte. Ltd |

*Provide concise 1-2 lines for each of the sections highlighted in yellow below (****do not exceed 1 page****)*

Problem Tackled

Currently in the ideation stage where I am exploring how my technical learnings can address real-world problems. I am considering potential capstone ideas that involve web application development, system integration or automation to improve efficiency and scalability but have yet to decide on a particular topic.

Task(s) and Action(s)

* Reflected on how Java servlets and MySQL database connections from the labs could form the foundation of a data-driven capstone project
* Considered how .NET and Python exercises demonstrated the flexibility of building similar applications across different technology stacks
* Linked the learnings from the lab on Docker to the possibility of containerizing applications in a controlled environment for portability and testing
* Explored potential directions for projects such as an internal productivity tool, automated reporting system or an accessible web platform

Result(s) and Learning(s)

* Learned that a strong capstone idea should combine technical feasibility with practical impact
* Understood the importance of designing with scalability, maintainability and security in mind, as emphasized in the solution architecture training
* Gained awareness that accessibility and usability are equally critical when planning project scope

Future Tasks

* Narrow down potential capstone project topics and define a clear problem statement
* Discuss ideas with both industry and academic supervisors to validate feasibility
* Identify which technology stack and tools would be most suitable for implementation once I have decided on my problem statement

I acknowledge that I have got approval from my Industry supervisor before submitting the logs and there is no sensitive information in this log.

*Student’s signature*

Date: 12/09/25