# **AI Agent Reflection**

In my work on Assignment 1, I applied an AI agent (ChatGPT) to help me refine logic in the system, develop alternative solutions and enhance documentation.

**Prompt 1:** I asked, *“Here is the logic for a railway gate system — is this safe and reliable, and how can it be improved?”*  
The AI helped me restructure the logic into IF–THEN statements, improve clarity, and remove assumptions like timer-based reopening.

**Prompt 2:** I asked, *“Can you offer an alternative solution to a real-time sensor system?”*  
The response explained a timer-based system, comparing pros and cons, and allowed me to create two contrasting options (Solutions A and B) for evaluation.

**Prompt 3:** I later asked, *“How should I organize my GitHub folder and name each document?”*  
The AI responded with a full structure, file names, and explained what to submit — which I followed exactly.

This assisted me in making sense of engineering logic and during my final submission, this made it stronger. AI worked like a tutor, it helped me along the way, each step of the way, but never did the work for me. It also made me much more confident about engineering thinking and documentation of the design.