

SKILLS IN UNIVERSITY AND INDUSTRY



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1. Description of the Speaker Experience

Speaker : Ts. Abdul Alim Abdul Muttalib

Current Role : Head of Technology and Innovation at Serunai Commerce Sdn Bhd

Experience : He has 11 years of industry experience, including engineering roles at Intel Corporation, after graduating from UTM with a degree in Database Systems, Computer Science in 2015 with skills such as product development, Agile project management and so on.

2. Basic Skills Required for Computer Science

- According to the speaker, we as computer science students must not neglect in the aspect of building strong technical fundamentals, while also try not to rely on AI too much. As Koffka Khan (2025) argues that students who rely solely on AI has weaker problem-solving abilities and academic integrity issues. Under real world situations, we'd be unable to solve complex problems.
- This talk also pointed out the importance of requirements analysis and project management. By using methods such as Agile, we are able to translate unclear user needs into a plan for development work during our projects. These are core skills that we computer science students need to master.



3. Skills Required by Industry

- Software Development Lifecycle (SDLC) is also covered in the talk. It is a procedure that we can implement during our software development projects. It covers five important stages in the cycle. By following the steps one by one, we ensure our final outcomes to be within our good expectations.
- A McKinsey study states that, “software developers can complete coding tasks up to twice as fast with generative AI” (McKinsey & Company, 2023). The speaker also says that there are a lot of AI tools nowadays that are able to aid the software developing process. Examples are such as CodiumAI and DeepCode. Hence, being able to master these tools will be of use for us when solving problems that need to be settled in a short period of time.



4. Reflections on the talk

- **Woon Ming Jun**

This talk showed me that success in computer science requires more than technical skills. I've learnt the importance of project management and agentic coding as it helps in discipline and organization during academic work. Applying these concepts will help prepare me for success in the next four years.

- **Emylee Zara binti Ahmad Johari**

Upon participating in the industry talk I realized how Agentic Coding will redefine our work performance. I would also transition from the Waterfall method to the Agile method in group assignment settings as it would allow me to manage team synergy while staying adaptable to changing requirements in the long run.

- **Nur Arissa binti Azmi**

From this talk, I learned how real software is built in this industry. AI tools are helpful in speeding up development, but I should not rely on them blindly. Lessons learned are that I need to build strong core skills first and only use AI as an assistant so that I will be better prepared for my future employment.

- **Han Tian Chou**

Through the session, I understood the importance of System Development Lifecycle. It made me realize that without proper procedures, even a technically strong system can break apart. This talk changed my mindset from focusing only on results to not neglecting in the process behind successful development as well.

- **Jed Yong Weng Kin A/L Yong Kuan Hong**

The talk showed me the importance of Project Management and the difference between its methodologies, which are Waterfall and Agile. Most importantly, it made me realise that I should enhance my knowledge in coding and project management to not fully rely on AI and be ready for employment.

5. **References**

- Khan, K. (2025). Automated but atrophied? Student over-reliance vs expert augmentation of AI in learning and cybersecurity. arXiv.
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