



## INDUSTRY TALK REFLECTION REPORT

Title: Bridging Skills Between University and Industry

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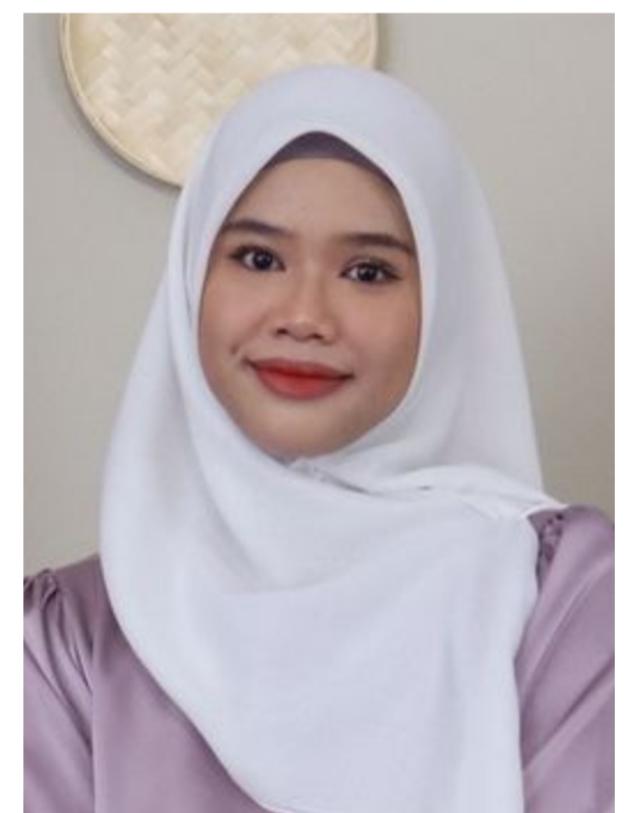
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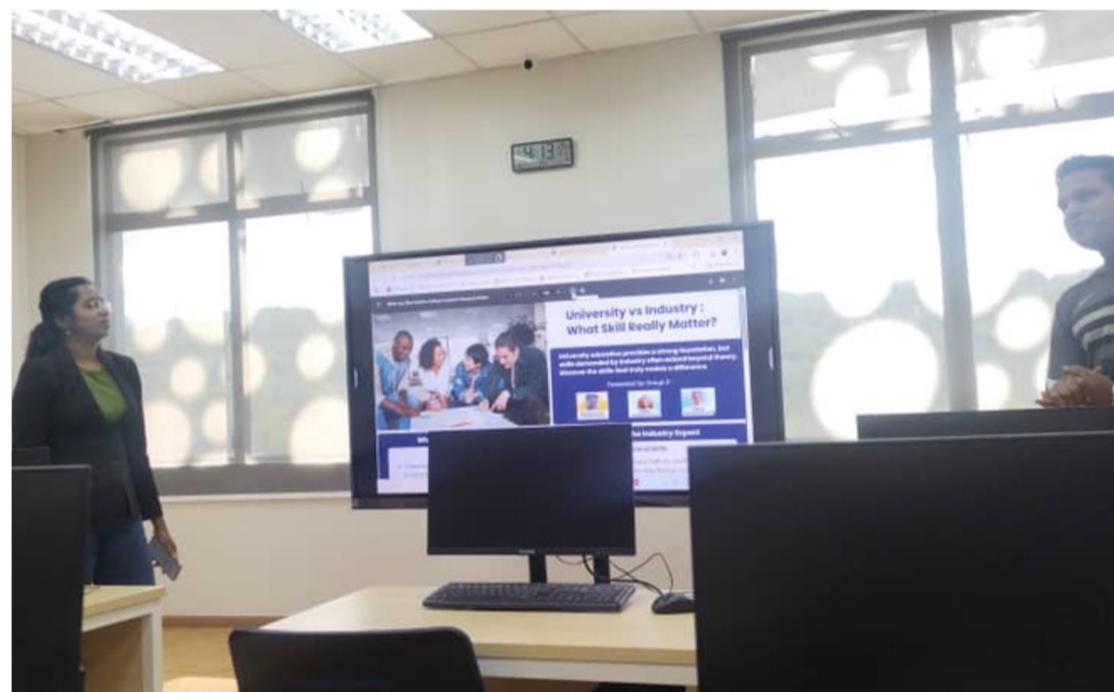
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## Overview

The two groups presented. The Group 2 members **AARON RAVINDRAN, ARULMURUGAN & RADHA MORGAN** focused on both paths. They mainly encouraged us to enhance our skills based on industry-expected standards and gain real-world experience by doing freelance work. So the key is combining theory with hands-on experience to become job-ready. The Group 3 members **LEAVINISH A/L BALASUBRAMANIAM, NOR IZA FARHANA, LUQMAN HAKIM B ROSLAN, LOUIS PAUL A/L KUALIANT AISAMI & SUNDDRA PAANDIAN A/L SINNASAMY** explained both and made us realize not to miss any of the paths with a statement: "Your degree opens the door; your skills keep you in the room." So developing practical skills through internships and real-world applications gives us a high chance of entering the workforce.

## Speaker Experience

One member, Ms Radha from the group 2, mentioned that she's a non-CS student and continued her degree to develop more knowledge and skills to enter the field. GitHub and Jira were very new to her, but she is still managing to learn and apply them in real life to become a future tech professional. Mr Leavinesh from Group 3 having a diploma in Civil Engineering, didn't know anything about this field initially. He got to know that he was interested in this field after starting his career. Then he continued his degree to chase his dream. Since this was his past, he didn't know exactly what he would learn and what the real benefits were, so he started to learn from friends, lecturers, and even through self-taught methods, applying whatever he learned through certificates and free courses. Now, currently in Semester 2, he is able to adapt to all.



## Skills Required

Skills required are based on both groups' presentations and our point of view.

### Computer Science (University)

- Theoretical knowledge
- Programming languages
- Data analysis
- Technical writing
- Software development
- Research & report writing
- Academic problem-solving



### Industry

- Practical coding
- Technical Skills
- Gain valuable experience through internships or projects
- Real-world tools: Git, SQL/NoSQL, Docker, AWS, Agile (Scrum)
- Soft skills & Communication
- Project management: Jira, Trello
- Creativity & Innovation: Suggest & build features



## Individual Reflection

### 1) Reflection by Aswini:

These presentations have given me a positive mindset and confidence to keep learning. I'm currently working in a non-CS field but have been passionate about cybersecurity since I was 12 years old. I have completed many free and paid certificates and courses related to programming, cybersecurity, Microsoft, and more.

#### My Plan for the Next Four Years:

I will continue using TryHackMe and Hack The Box as usual, and make sure to complete all the rooms to gain theoretical and practical knowledge by applying it on the website itself. I will also join a full-stack development course, learn to use basic cybersecurity tools, and pursue beginner-level security certifications. I will make sure to create and maintain a professional portfolio with unique ideas and strong projects to become a future cybersecurity professional.

### 2) Reflection by Izwan:

Both university and industry skills are needed, like a T shape skills theory, university skills are the horizontal one at the top; denoting general knowledge and wide coverage and the industry skills are the vertical one at the bottom denoting specialized focused skills required to handle some specific tasks or more advanced jobs that the university may not updated yet.

#### My Plan for the Next Four Years:

I would do is to fully utilize the AI tools instead of fully dependent to it. Just like the university and the industry skills, AI and human also can form a symbiotic relationship, and benefited each other.

### 3) Reflection by Zaqwan:

More than 10 years back, university are the place where most of the technologies developed. Nearing 2010's, the flexibility of internet and home computer really give the space for the advancement of the technologies.

Now, university's curriculum importance is more to other than technologies itself, while it seems like it is not crucial, it holds its own importance in giving advantage to individual in the industry.

#### My Plan for the Next Four Years:

As university is a one time opportunity, and as online sources is more fast, the importance of gaining knowledge outside of the official stream also is a good option to be taken into count.

### 4) Reflection by Fatin:

University and industry skills are so important nowadays, as one of the members of group 4 has said that "your degree opens the door and your skills keep you in the room ". It means that a degree gives opportunities to get a job, while a skill will make you continue to thrive. The university focuses on building critical thinking through theory, research, report writing, and problem solving. All these skills help to apply knowledge to industry situations because employers look for candidates who can apply a theory with practical skills like communication and teamwork. This shows that both sets of skills complement each other.

#### My Plan for the Next Four Years:

To make sure I will succeed in computer science in the next four years, I will make sure to train myself to gain a deeper understanding of fundamental knowledge in programming. I will focus on understanding the basics of programming, computer systems, science, and data structures, and also make sure to improve in communication and teamwork skills because this is very important for me to be more successful.

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