

Certificate of Achievement

This certificate is awarded to

Dava Nalendra

For their outstanding performance in completing exploratory, experimental sessions & delivering final project for "**Code Generations and Optimization**" class in the **Student Developer Initiative**.

Period: 8 & 10 July 2025

Hosted by Hacktiv8 Indonesia



Riza Fahmi

Co-Founder & Chief Evangelist of Hacktiv8

Issued on July 2025

Supported by  **HACKTIV8**

Student Transcript

Student Developer Initiative Program

Profile

Student Name : Dava Nalendra
Transcript ID : 00209/H8/CSR/SDI/XII/2025
Issued On : 19 Dec 2025
Course : Code Generations and Optimization

About Program

Student Developer Initiative is a collaborative program between IBM and Hactiv8 aimed at equipping students and young talents with practical skills in data, programming, and AI. The main goal of this program is to help participants leverage artificial intelligence (AI), particularly IBM Granite, to enhance their productivity and support their activities—especially in software development.

Skill/Competencies

| Lesson | Objective | Learning Hour |
|---|--|------------------|
| Use Generative AI for Software Development | <ul style="list-style-type: none">Participants are able to write code using IBM Granite.Participants are able to identify common issues in AI-generated code.Participants are able to troubleshoot common code-related issues.Participants are able to identify appropriate models for code generation & programming tasks. | 3 Hours 4 JP |
| Code Generation and Optimization using IBM Granite Models | <ul style="list-style-type: none">Participants are able to prompt IBM Granite models effectively.Participants are able to apply structured workflows for reviewing and optimizing AI-generated code. | 3 Hours 4 JP |
| Project Building | <ul style="list-style-type: none">Participants will be able to create a website or application with the help of AI (IBM Granite) to accelerate, improve, and document the code development process. | 6 Hours 8 JP |
| Total Learning Hour | | 12 Hours / 16 JP |

Project Score

Student Developer Initiative Program

| Aspect | Description | Weight | Score |
|------------------------|--|--------|-------|
| Background & Objective | Participant's ability to demonstrate an understanding of real-world problems or specific needs, clearly and logically explain project objectives, link the solution to user benefits or real-world context, and show clear cause-and-effect thinking. | 15% | 74.78 |
| Technologies Used | Participant's ability to explain the core technologies (languages, frameworks, tools) and their functions, demonstrate why these technologies were chosen, show the relationship between technology and project requirements (fit-for-purpose), and ensure alignment with the project's objectives. | 25% | 75.14 |
| Features | Participant's ability to explain features that are relevant to the project objectives, show the user flow and logical function, interconnect features to form a coherent user experience (end-to-end flow), and demonstrate problem-solving for users through the features. | 30% | 76.29 |
| AI Support Explanation | Participant's ability to explain the role of AI in the development process (e.g., assisting in ideation, debugging, optimization, documentation, etc.), demonstrate understanding of how and why AI is used, reflect on the real-world impact (efficiency, quality, new insights), and show awareness of the learning process with AI use. | 30% | 73.57 |
| Final Score | 74.96 | | |



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