



# Data Classification and Summarization Using IBM Granite

Student Developer Initiative



# Absensi



<https://bit.ly/sdiabsensi>

<https://forms.gle/K7HqsHAroW624tC57>

# Tujuan Pembelajaran

Setelah mengikuti pembelajaran, peserta diharapkan mampu:

- Merancang dan menyempurnakan *prompt* secara efektif untuk model IBM Granite dalam tugas klasifikasi dan peringkasan data berbasis teks.
- Menyesuaikan parameter model IBM Granite guna meningkatkan kualitas dan relevansi output yang dihasilkan.
- **Hands-on:** Menerapkan keterampilan *prompting* melalui praktik langsung untuk mengklasifikasikan dan meringkas data dengan model IBM Granite.
- **Hands-on:** Mengoptimalkan hasil *output* dengan mengatur parameter model secara langsung dalam sesi praktik.

# Capaian Pembelajaran

- Memperoleh 1 sertifikat penyelesaian Course di IBM SkillsBuild berjudul **Data Classification and Summarization Using IBM Granite**
- Memperoleh Credly badge atas penyelesaian Course **Data Classification and Summarization Using IBM Granite**



# To Do List

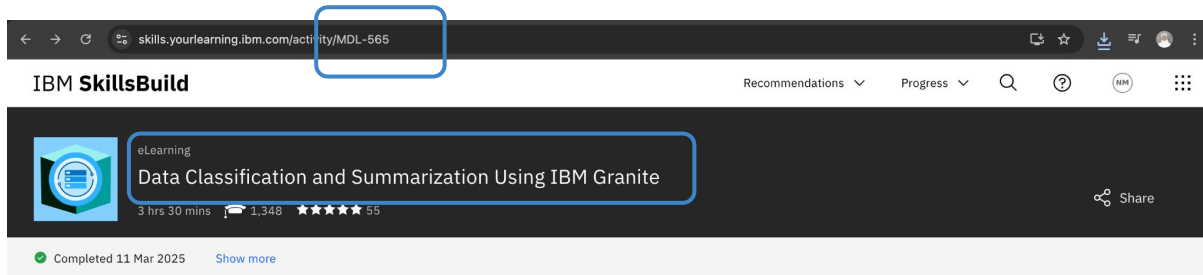
Phase	Task	Due Date
Session 1	Presence	Session 1
Session 2	Presence	Session 2
	Pre-Test	Session 2
	<b>Form Completion:</b> Certificate Course 1 & 2	H+1 Session 2
Session 3	Presence	Session 3
	Post- Test	Session 3
	<b>Form Completion:</b> Certificate Course 3, Credly Badges, LinkedIn Post	H+3 Session 3
Capstone Project	<b>Form Completion:</b> Capstone Project	H+10 Session 3



# Akses Material – Course 3

1. Pastikan kamu sudah login di IBM SkillsBuild  
<https://skills.yourlearning.ibm.com/>
2. Ketik "**Data Classification and Summarization Using IBM Granite**" pada bagian Learning Search di IBM SkillsBuild atau langsung kunjungi tautan berikut  
<https://skills.yourlearning.ibm.com/activity/MDL-565>
3. Klik "Go to Activity"

# Akses Material – Course 3



The screenshot shows the IBM SkillsBuild interface. At the top, the URL bar highlights the activity ID: `skills.yourlearning.ibm.com/activity/MDL-565`. Below the navigation bar, the course title "Data Classification and Summarization Using IBM Granite" is displayed, along with a duration of 3 hrs 30 mins, 1,348 participants, and a 5-star rating. A "Share" button is visible on the right. At the bottom of the header, it shows "Completed 11 Mar 2025" and a "Show more" link.

## About this learning activity

In this module, you will learn how to use IBM Granite models to streamline data analysis tasks. You will discover the key functions of these models, understand how they assist in processing and summarizing information, and explore best practices for their effective use. You'll also learn techniques for fine-tuning these models, including how to set up requests to get precise outcomes, improve the model's responses, and integrate these practices into a workflow.

## What you'll learn

After completing this module, you should be able to:

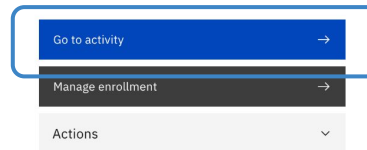
- Prompt an IBM Granite model to classify and summarize data
- Adjust the model parameters to refine the output

## Outline

Complete the following module to earn an industry-recognized, IBM SkillsBuild digital credential called **Data**

### Classification and Summarization Using IBM Granite:

- Lesson 1: Constructing effective prompts for classifying and summarizing data
- Lesson 2: Outputs of classification and summarization prompts
- Lesson 3: Refine prompts for enhanced classification and summarization
- Lab 1: Prompt an IBM Granite model to classify and summarize data
- Lesson 4: Adjust IBM Granite model parameters for prompting for enhanced output quality
- Lesson 5: Enhance model outputs by adjusting IBM Granite model parameters
- Lesson 6: Use evaluation insights for effective prompting and parameter adjustment
- Lab 2: Adjust the model parameters to refine the output



A dropdown menu with three options: "Go to activity" (highlighted with a blue box and a right arrow), "Manage enrollment" (with a right arrow), and "Actions" (with a downward arrow).

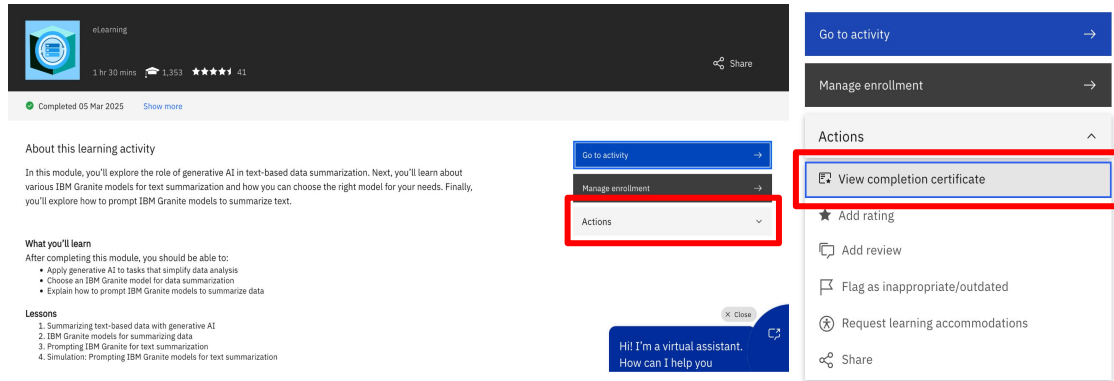


# QnA



# Sertifikat - Course 3

Sertifikat akan dapat diakses sekitar 2-3 jam setelah kursus diselesaikan.



**eLearning**  
3 hr 30 mins 1,353 ★★★★★ 41  
Completed 05 Mar 2025 [Show more](#)

**About this learning activity**

In this module, you'll explore the role of generative AI in text-based data summarization. Next, you'll learn about various IBM Granite models for text summarization and how you can choose the right model for your needs. Finally, you'll explore how to prompt IBM Granite models to summarize text.

**What you'll learn**

After completing this module, you should be able to:

- Apply generative AI to tasks that simplify data analysis
- Choose an IBM Granite model for data summarization
- Explain how to prompt IBM Granite models to summarize data

**Lessons**

1. Summarizing text-based data with generative AI
2. IBM Granite models for summarizing data
3. Prompting IBM Granite for text summarization
4. Simulation: Prompting IBM Granite models for text summarization

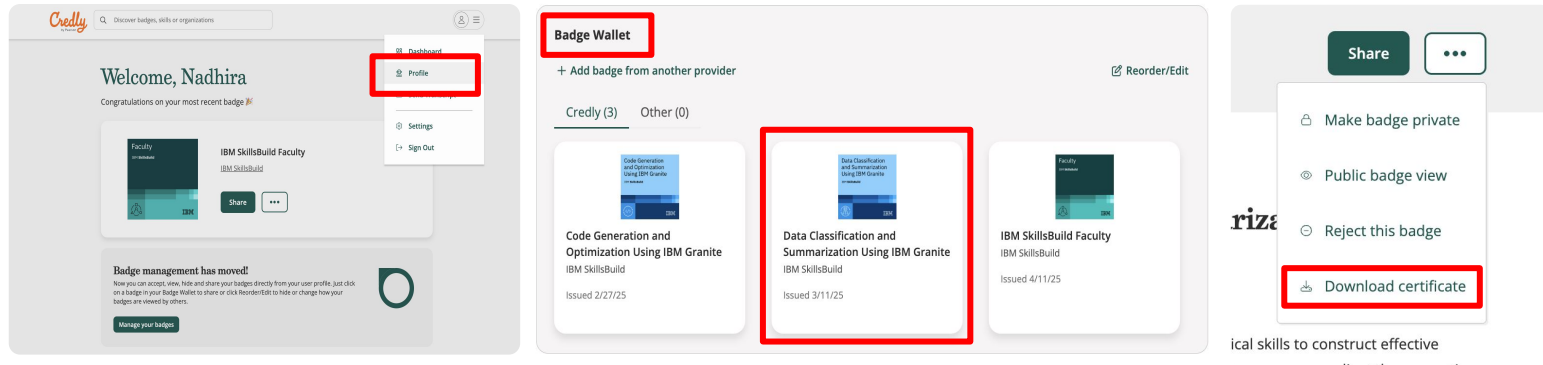
**Actions**

- Go to activity →
- Manage enrollment →
- View completion certificate
- Add rating
- Add review
- Flag as inappropriate/outdated
- Request learning accommodations
- Share

Hi! I'm a virtual assistant. How can I help you

# Credly Badge – Course 3

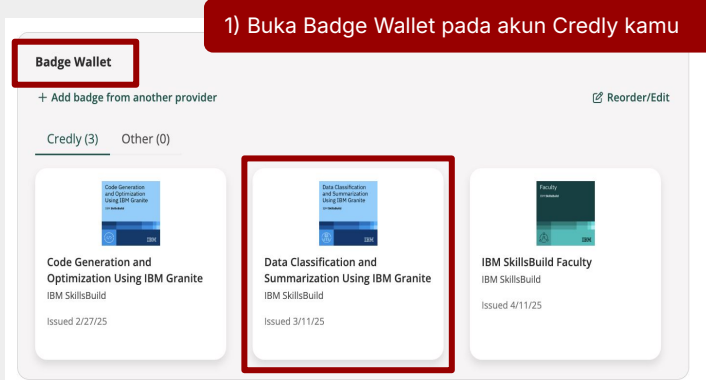
Credly Badge akan dapat diakses sekitar 1×24 jam setelah kursus diselesaikan.



The screenshot displays the Credly user interface. On the left, the 'Welcome, Nadhira' dashboard shows a recent badge from IBM SkillsBuild Faculty. A red box highlights the 'Profile' link in the top navigation menu. The main section, titled 'Badge Wallet', shows a list of earned badges. A red box highlights the 'Data Classification and Summarization Using IBM Granite' badge, which was issued on 3/11/25. To the right, a 'Share' button is visible, and a dropdown menu is open, showing options like 'Make badge private', 'Public badge view', 'Reject this badge', and 'Download certificate'. The 'Download certificate' option is highlighted with a red box.

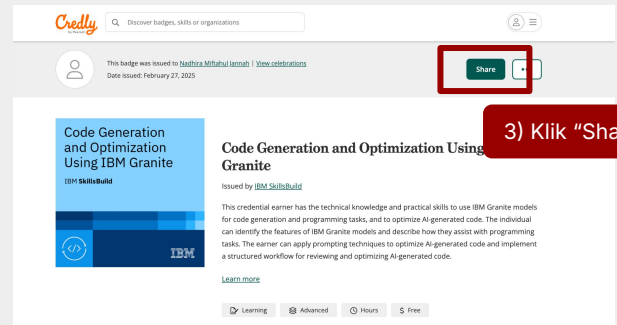
# Linkedin Post

1) Buka Badge Wallet pada akun Credly kamu




2) Klik Course yang mau kamu tampilkan pada LinkedIn

3) Klik "Share"



# LinkedIn Post

**Share your badge**  
Broadcast your achievement to friends and colleagues to get the recognition you deserve.

 **Code Generation and Optimization Using IBM Granite**  
Issued by [IBM SkillsBuild](#)

**Promote**  
Share your achievement on social media.

☒ LinkedIn ☐ X (Twitter)  
☐ Facebook

**Publish**  
Send your badge or take it offline.

☐ Email   
☐ Public Link   
☐ Embed Code

4) Klik "LinkedIn"

**LinkedIn**

Account connected! Now share your achievement:

☒ Add to Profile  
☒ Share to Feed

Optional Message  
View my verified achievement from IBM SkillsBuild.

5) Klik "Share to LinkedIn"

6) Kamu akan diarahkan langsung ke LinkedIn

Add license or certification

\* Indicates required

Name\*
Code Generation and Optimization Using IBM Granite

Issuing organization\*
IBM

Issue date
February
2025

Expiration date
Month
Year

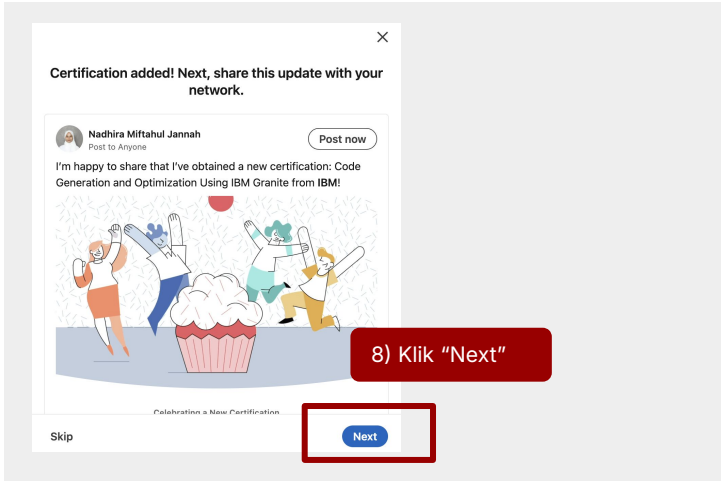
Credential ID

Credential URL
https://www.credly.com/badges/0bd4134b-57a1-49b2-8a4d-1fd7d3995516/linked\_in\_profile

Skills
Associate at least 1 skill to this license or certification. It'll also appear in your Skills section.

Save

7) Klik "Save"



8) Klik "Next"



9) Tulis caption terbaikmu

10) Klik "Post"

## Bukti Publikasi LinkedIn

**CAPTION**

Program Student Development Initiative dari Hacktiv8 x IBM SkillsBuild akhirnya selesai juga, dan saya berhasil menyelesaikan topik Data Classification & Summarization menggunakan IBM Granite!

Dari pelatihan ini, aku belajar cara memanfaatkan AI untuk mengolah data, mengelompokkan informasi, sampai membuat rangkuman otomatis hal-hal yang makin dibutuhkan di dunia kerja sekarang.

Senang bisa upgrade skill dan tambah insight baru lewat program ini. Karena secara waktu gak mengganggu kegiatan saya sehari-hari, saya bebas belajar di mana pun dan kapan pun tanpa bentrok sama jadwal lain. Thank you Hacktiv8 dan IBM!

Kalau kamu masih mahasiswa dan ingin punya bekal lebih kuat sebelum lulus, saya sangat merekomendasikan program ini. Kelas berikutnya masih bisa diikuti, cek kelas terdekatnya di [my.hacktiv8.com/ibmskillsbuild](https://my.hacktiv8.com/ibmskillsbuild). Jangan lewatkan!

#Hacktiv8 #IBM #SkillsBuild #GenerativeAI #DataAnalytics #AllIndonesia  
#BelajarAI #StudentDeveloperInitiative

Silakan modifikasi caption sesuai gaya komunikasimu, namun **WAJIB** menggunakan hashtag yang telah ditentukan.

# Submission 2

Due Date: H+3 Session 3

Setelah menyelesaikan Course 3: **"Data Classification and Summarization Using IBM Granite"**, kamu diwajibkan mengumpulkan bukti penyelesaian berupa sertifikat dari course tersebut yang dapat kamu akses pada IBM SkillsBuild.



<https://bit.ly/SDIConfirmation>

<https://forms.gle/t9NDgC3BeBkongoJ9>

# Capstone Project

Due Date: H+10 Session 3

Analisis data menggunakan sumber data yang tersedia secara publik atau yang tidak bersifat rahasia untuk memperoleh wawasan yang bernilai. Dengan bantuan AI, kamu akan menggali insight yang bermakna dari data tersebut.

## Output

- Analytical result
- Insight & findings
- Recommendations

## AI Tools for Data Analytics (freely choose)

Objective: Using IBM Granite Models, platform you can choose:

- [Google Colab Notebook](#) (need coding)
- [WatsonX](#) (free trial, but if not, needs CC - Credit Card)
- [LM Studio](#) (a little bit heavy for laptop)

## Submission Output

1. Link Github	<ul style="list-style-type: none"><li>• Submit Google Colab Notebook for analytics in Colab</li><li>• Submit Raw Dataset for analytics with WatsonX or LM Studio</li></ul>
2. README.md	<ul style="list-style-type: none"><li>• Title project</li><li>• Project overview</li><li>• Raw dataset link</li><li>• Insight &amp; findings</li><li>• AI support explanation</li></ul>
3. Presentation Slide	<ul style="list-style-type: none"><li>• Title project</li><li>• Raw dataset link</li><li>• Project overview</li><li>• Analysis process</li><li>• Insight &amp; findings (and visualization)</li><li>• Conclusion &amp; recommendations</li><li>• AI support explanation</li></ul>



# Grading Criteria

Aspect	Criteria
Project Overview	<ul style="list-style-type: none"><li>o Tujuan proyek sangat jelas, latar belakang kuat, permasalahan spesifik dan relevan, serta pendekatan dijelaskan secara runtut.</li></ul>
Analysis Process	<ul style="list-style-type: none"><li>o Menjelaskan langkah-langkah analisis secara sistematis, menggunakan metode dan teknik dengan alasan penggunaan yang tepat.</li></ul>
Insight & Findings	<ul style="list-style-type: none"><li>o Insight diambil dari hasil analisis, unik, dan ditulis dengan penjelasan yang logis dan menyeluruh.</li></ul>
Conclusion & Recommendation	<ul style="list-style-type: none"><li>o Rekomendasi sesuai insight, konkret, actionable, dan berdampak nyata terhadap permasalahan.</li></ul>
AI Support Explanation	<ul style="list-style-type: none"><li>o AI digunakan secara relevan dan dijelaskan cara penggunaannya (misalnya: LLM untuk <i>classification</i>, <i>summarization</i>, analisis sentimen).</li></ul>

# Certificate Tier from Hacktiv8

Course 1	Course 2	Course 3	Linkedin Update	Capstone Project	Twibbon Posting
					

**Tier 1**

**Tier 2**

**Tier 3**

# Visit IBM Office Jakarta\*



A big opportunity for you — if your capstone project ranks in the top 20, you'll get to visit the IBM Office Jakarta and meet the people behind IBM in person.

# Post-Test



<https://bit.ly/sdiposttestdata>

<https://forms.gle/pVKzSQNQwCaDPfng7>



# Thank You