



Classifying & Summarizing Data Using IBM Granite

Student Developer Initiative

Absensi



<https://bit.ly/sdiabsensi>

<https://forms.gle/K7HqsHAroW624tC57>

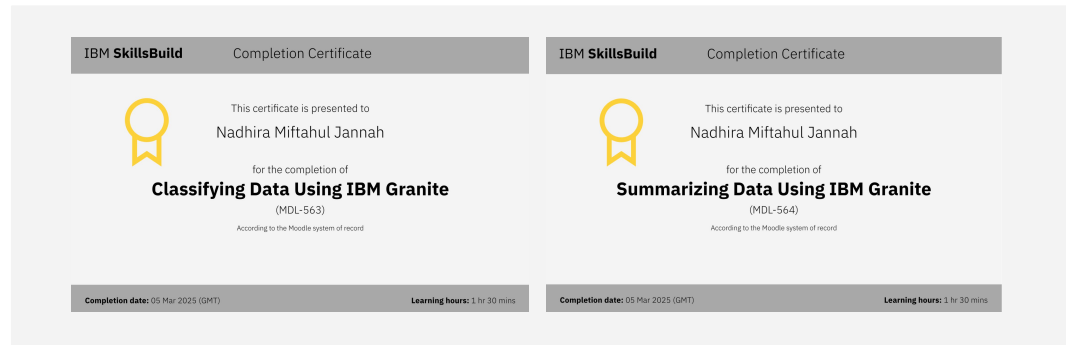
Tujuan Pembelajaran

Setelah mengikuti pembelajaran, peserta diharapkan mampu:

- Menjelaskan fungsi dan keunggulan model IBM Granite dalam melakukan klasifikasi dan ringkasan data berbasis teks.
- Mengidentifikasi berbagai jenis model IBM Granite yang digunakan untuk klasifikasi dan summarizing teks.
- Mendemonstrasikan teknik *prompt engineering* untuk mengarahkan model IBM Granite dalam tugas klasifikasi dan summarizing teks.
- **Hands-on:** Menggunakan model IBM Granite secara efektif melalui praktik langsung klasifikasi dan peringkasan data teks menggunakan prompt yang sesuai.

Capaian Pembelajaran

- Memperoleh 2 sertifikat penyelesaian Course di IBM SkillsBuild:
 - Classifying Data Using IBM Granite
 - Summarizing Data Using IBM Granite



To Do List

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



Pre-Test



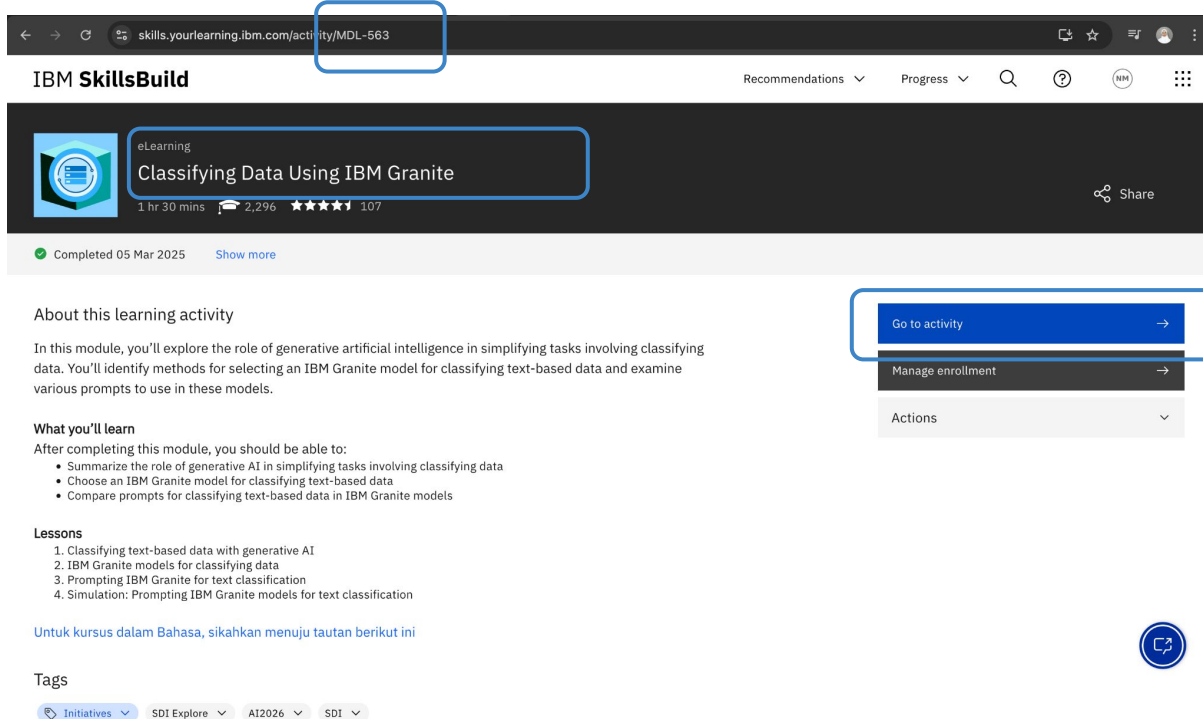
<https://bit.ly/sdipretestdata>

<https://forms.gle/9wqVRtRp3pZNWFnL6>

Akses Material – Course 1

1. Pastikan kamu sudah login di IBM SkillsBuild
<https://skills.yourlearning.ibm.com/>
2. Ketik “**Classifying Data Using IBM Granite**” pada bagian Learning Search di IBM SkillsBuild atau langsung kunjungi tautan berikut
<https://skills.yourlearning.ibm.com/activity/MDL-563>
3. Klik “Go to Activity”

Akses Material - Course 1



The screenshot shows the IBM SkillsBuild interface. At the top, the browser address bar highlights the URL `skills.yourlearning.ibm.com/activity/MDL-563`. The course title "Classifying Data Using IBM Granite" is displayed with a duration of 1 hr 30 mins, 2,296 views, and 107 ratings. A status bar indicates the course was completed on 05 Mar 2025. The "About this learning activity" section describes the module's focus on generative AI for data classification. The "What you'll learn" section lists three learning objectives. The "Lessons" section lists four topics. A sidebar on the right contains a "Go to activity" button, a "Manage enrollment" button, and an "Actions" dropdown. At the bottom, there are tags for "Initiatives", "SDI Explore", "AI2026", and "SDI".

IBM SkillsBuild

Recommendations ▾ Progress ▾ 🔍 ⓘ ⓘ ⓘ ⓘ ⓘ

eLearning

Classifying Data Using IBM Granite

1 hr 30 mins 2,296 ★★★★★ 107

🔗 Share

✔ Completed 05 Mar 2025 [Show more](#)

About this learning activity

In this module, you'll explore the role of generative artificial intelligence in simplifying tasks involving classifying data. You'll identify methods for selecting an IBM Granite model for classifying text-based data and examine various prompts to use in these models.

What you'll learn

After completing this module, you should be able to:

- Summarize the role of generative AI in simplifying tasks involving classifying data
- Choose an IBM Granite model for classifying text-based data
- Compare prompts for classifying text-based data in IBM Granite models

Lessons

- Classifying text-based data with generative AI
- IBM Granite models for classifying data
- Prompting IBM Granite for text classification
- Simulation: Prompting IBM Granite models for text classification

[Untuk kursus dalam Bahasa, silahkan menuju tautan berikut ini](#)

Tags

🔍 Initiatives ▾ SDI Explore ▾ AI2026 ▾ SDI ▾

Go to activity →

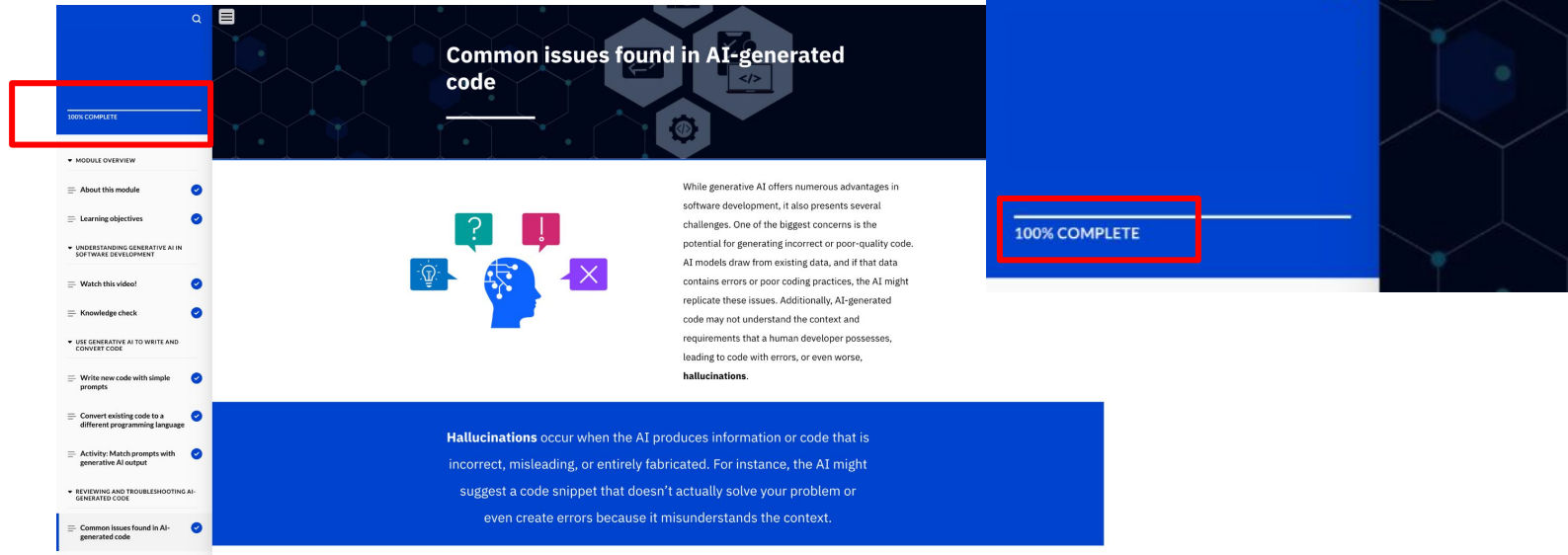
Manage enrollment →

Actions ▾

Sebelum masuk ke agenda selanjutnya,
pastikan dulu Course 1 Anda sudah
100% complete

Wait for Course 1 Certificate

Pastikan course Anda sudah **100% completed**.



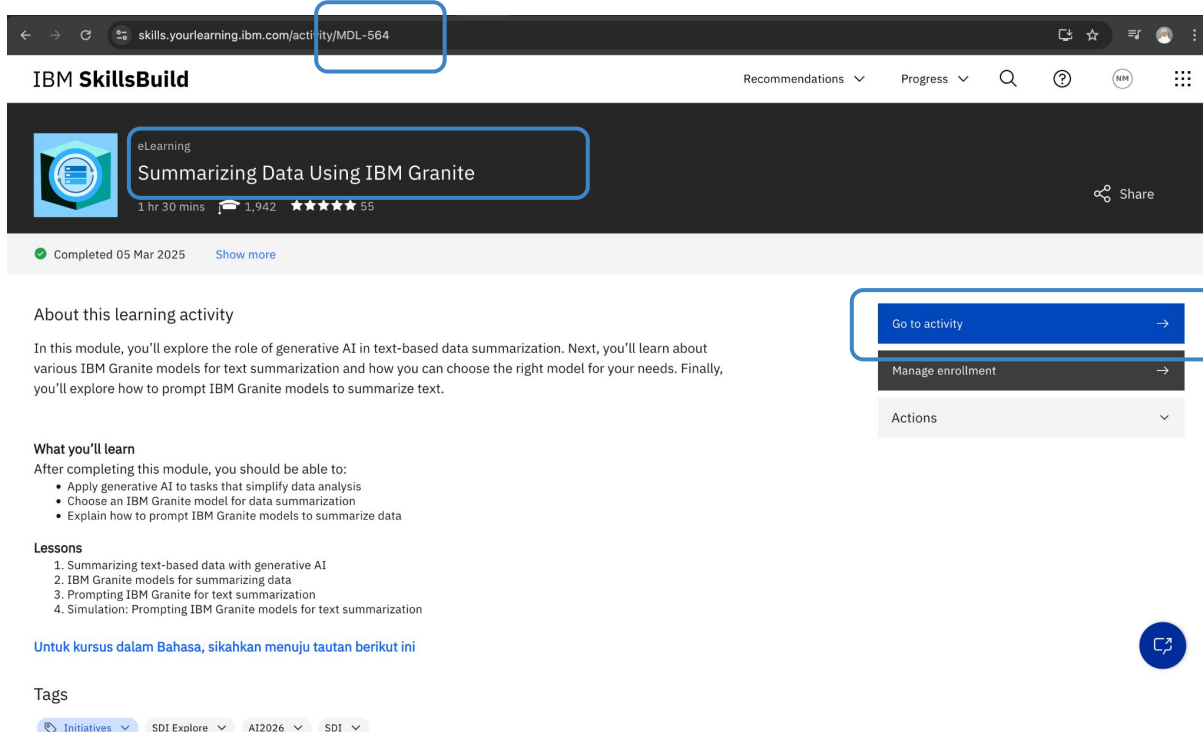
The screenshot displays a course interface with a dark blue header and a sidebar. The main content area is titled "Common issues found in AI-generated code". The sidebar on the left lists the course modules, with the last item, "Common issues found in AI-generated code", highlighted in blue and marked as "100% COMPLETE". The main content area features a diagram of a human head with a brain, surrounded by icons representing various issues: a question mark, an exclamation mark, a lightbulb, and a crossed-out 'X'. Below the diagram, the text explains that while generative AI offers numerous advantages in software development, it also presents several challenges. One of the biggest concerns is the potential for generating incorrect or poor-quality code. AI models draw from existing data, and if that data contains errors or poor coding practices, the AI might replicate these issues. Additionally, AI-generated code may not understand the context and requirements that a human developer possesses, leading to code with errors, or even worse, **hallucinations**. A blue box at the bottom of the main content area defines **Hallucinations** as occurring when the AI produces information or code that is incorrect, misleading, or entirely fabricated. For instance, the AI might suggest a code snippet that doesn't actually solve your problem or even create errors because it misunderstands the context.

Akses Material – Course 2

1. Pastikan kamu sudah login di IBM SkillsBuild
<https://skills.yourlearning.ibm.com/>
2. Ketik **"Summarizing Data Using IBM Granite"** pada bagian Learning Search di IBM SkillsBuild atau langsung kunjungi tautan berikut
<https://skills.yourlearning.ibm.com/activity/MDL-564>
3. Klik "Go to Activity"



Akses Material – Course 2



The screenshot shows the IBM SkillsBuild interface. At the top, the URL bar highlights the activity ID 'MDL-564'. The course title 'Summarizing Data Using IBM Granite' is displayed with a duration of 1 hr 30 mins, 1,942 participants, and a 5-star rating. A 'Go to activity' button is highlighted in a blue box. Below the course title, there is a section 'About this learning activity' and a list of 'What you'll learn'. The 'Lessons' section lists four topics: Summarizing text-based data with generative AI, IBM Granite models for summarizing data, Prompting IBM Granite for text summarization, and Simulation: Prompting IBM Granite models for text summarization. At the bottom, there are tags for 'Initiatives', 'SDI Explore', 'AI2026', and 'SDI'.

skills.yourlearning.ibm.com/activity/MDL-564

IBM SkillsBuild

Recommendations ▾ Progress ▾ 🔍 ⓘ ⓘ ⓘ ⓘ ⓘ

eLearning

Summarizing Data Using IBM Granite

1 hr 30 mins 1,942 ★★★★★ 55

Share

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

Untuk kursus dalam Bahasa, silahkan menuju tautan berikut ini

Tags

Initiatives ▾ SDI Explore ▾ AI2026 ▾ SDI ▾

Go to activity →

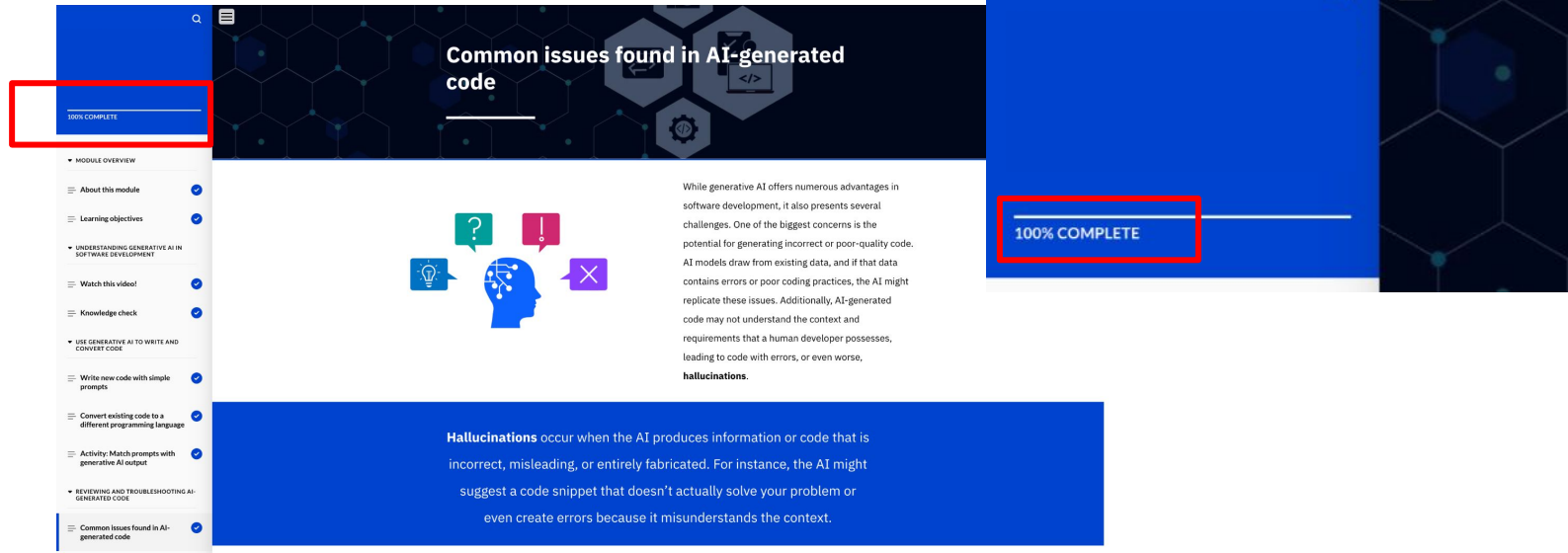
Manage enrollment →

Actions ▾

Sebelum masuk ke agenda selanjutnya,
pastikan dulu Course 2 Anda sudah
100% complete

Wait for Course 2 Certificate

Pastikan course Anda sudah **100% completed**.



The screenshot displays a course interface with a dark blue header and a sidebar. The main content area is titled "Common issues found in AI-generated code". The sidebar on the left lists the course modules, with the last module, "Common issues found in AI-generated code", highlighted in blue and marked as "100% COMPLETE". The main content area features a diagram of a human head with a brain, surrounded by icons representing various issues: a question mark, an exclamation mark, a lightbulb, and a crossed-out 'X'. Below the diagram, the text explains that while generative AI offers numerous advantages in software development, it also presents several challenges. One of the biggest concerns is the potential for generating incorrect or poor-quality code. AI models draw from existing data, and if that data contains errors or poor coding practices, the AI might replicate these issues. Additionally, AI-generated code may not understand the context and requirements that a human developer possesses, leading to code with errors, or even worse, **hallucinations**. A blue box at the bottom of the main content area defines **Hallucinations** as occurring when the AI produces information or code that is incorrect, misleading, or entirely fabricated. For instance, the AI might suggest a code snippet that doesn't actually solve your problem or even create errors because it misunderstands the context.

Common issues found in AI-generated code

While generative AI offers numerous advantages in software development, it also presents several challenges. One of the biggest concerns is the potential for generating incorrect or poor-quality code. AI models draw from existing data, and if that data contains errors or poor coding practices, the AI might replicate these issues. Additionally, AI-generated code may not understand the context and requirements that a human developer possesses, leading to code with errors, or even worse, **hallucinations**.

Hallucinations occur when the AI produces information or code that is incorrect, misleading, or entirely fabricated. For instance, the AI might suggest a code snippet that doesn't actually solve your problem or even create errors because it misunderstands the context.

QnA

Contoh Implementasi Gen AI



Implementasi Gen AI: Keuangan

Aspek	Detail
Industry	Keuangan
Tantangan	Perusahaan menghadapi kesulitan mengelola dokumen regulasi yang sangat banyak dan terus berubah, serta memonitor kepatuhan terhadap peraturan yang kompleks di berbagai wilayah operasional. Proses manual memakan waktu dan berisiko kesalahan, sehingga meningkatkan potensi pelanggaran dan denda.
Tujuan	Mengotomatisasi pemantauan regulasi, ekstraksi kewajiban hukum, dan identifikasi potensi risiko untuk mendukung kepatuhan yang proaktif dan mitigasi risiko yang lebih cepat.
Solusi Penggunaan IBM Granite	<p>IBM Granite LLM diintegrasikan dalam sistem kepatuhan perusahaan dengan fitur-fitur berikut:</p> <ul style="list-style-type: none">• Analisis Dokumen Regulasi: Model mampu memahami dan mengekstrak kewajiban utama, tenggat waktu, dan persyaratan kepatuhan dari dokumen regulasi yang kompleks.• Pendeteksian Risiko Kepatuhan: Granite LLM menandai area yang berpotensi tidak sesuai dengan peraturan dan memberikan rekomendasi mitigasi awal.• Pemantauan Perubahan Regulasi: Model memperbarui analisis secara otomatis saat ada perubahan peraturan terbaru.• Pelaporan Kepatuhan: Membantu menyusun laporan kepatuhan yang komprehensif dan mudah dipahami untuk manajemen dan regulator.
Hasil	<ul style="list-style-type: none">• Pengurangan waktu analisis regulasi hingga 60%• Peningkatan deteksi risiko kepatuhan secara dini dan akurat• Peningkatan efektivitas audit internal dan eksternal• Kepatuhan regulasi yang lebih konsisten dan terdokumentasi dengan baik

Implementasi Gen AI: Marketing

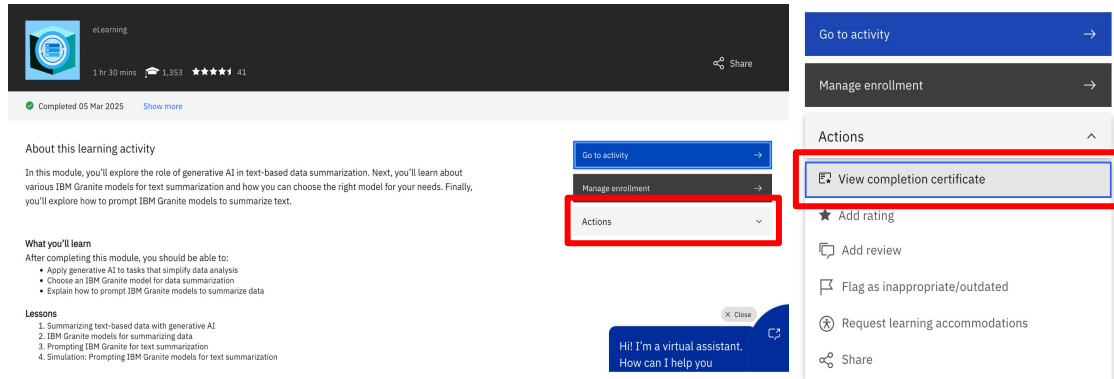
Aspek	Detail
Industry	Marketing (platform e-commerce)
Tantangan	Tim pemasaran perlu menghasilkan konten yang dipersonalisasi untuk jutaan pengguna di berbagai wilayah, bahasa, dan perilaku belanja yang berbeda. Segmentasi manual dan penulisan konten membatasi skalabilitas dan memperlambat peluncuran kampanye.
Tujuan	Mengotomatisasi pembuatan pesan pemasaran yang terlokalisasi dan dipersonalisasi untuk email, notifikasi push, dan banner dalam aplikasi—dengan tetap menjaga konsistensi <i>brand</i> .
Solusi Penggunaan IBM Granite	<p>IBM Granite LLM diintegrasikan dalam sistem kepatuhan perusahaan dengan fitur-fitur berikut:</p> <ul style="list-style-type: none">• Dukungan Segmentasi Pengguna: Granite membantu menganalisis data perilaku untuk mengelompokkan pelanggan berdasarkan riwayat belanja, frekuensi, dan preferensi• Personalisasi Konten: LLM menghasilkan subjek email, isi pesan, dan copy iklan yang dipersonalisasi sesuai profil tiap segmen• Penulisan Multibahasa: Granite LLM disesuaikan untuk menghasilkan konten dalam Bahasa Indonesia, Thai, dan Vietnam—memastikan relevansi budaya dan konteks
Hasil	<ul style="list-style-type: none">• Peningkatan <i>click-through ratio</i> (CTR) sebesar 38% di seluruh kampanye• Percepatan peluncuran kampanye hingga 5 kali lipat• Menjangkau 3 pasar baru dengan konten terlokalisasi berkualitas tinggi• Konsistensi suara <i>brand</i>

Tools Preparation for Session 3

OPEN PDF LAB.1

Sertifikat - Course 1

Sertifikat akan dapat diakses sekitar **20 menit sampai 1 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

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- Explain how to prompt IBM Granite models to summarize data

Lessons

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

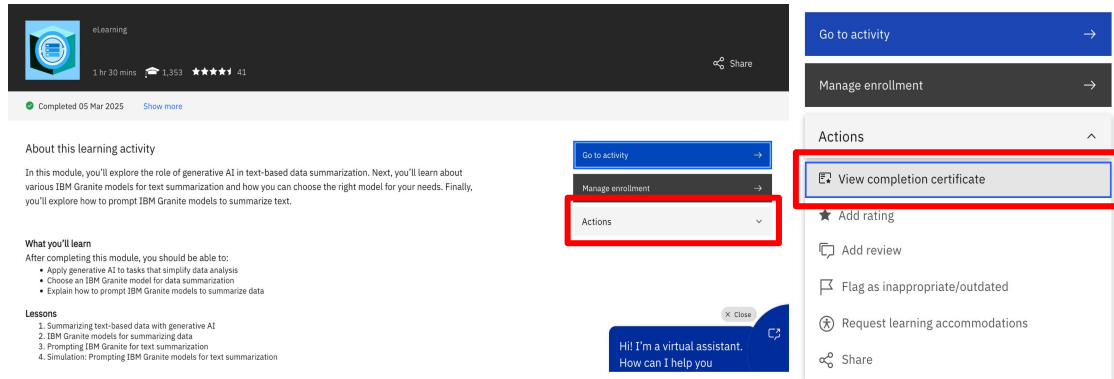
Actions

- [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?

Sertifikat - Course 2

Sertifikat akan dapat diakses sekitar **20 menit sampai 1 jam** setelah kursus diselesaikan.



eLearning

3 hr 30 mins 1,353 ★★★★★ 41

Completed 05 Mar 2025 [Show more](#)

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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

Submit bareng-bareng sekarang, Yuk!

Submission 1

Due Date: H+1 Session 2

Setelah menyelesaikan Course 1: "**Classifying Data Using IBM Granite**", dan Course 2: "**Summarizing Data Using IBM Granite**" kamu diwajibkan mengumpulkan bukti penyelesaian berupa sertifikat dari kedua course tersebut yang dapat kamu akses pada IBM SkillsBuild.



<https://bit.ly/SDIConfirmation>

<https://forms.gle/t9NDgC3BeBkongoJ9>



Thank You