

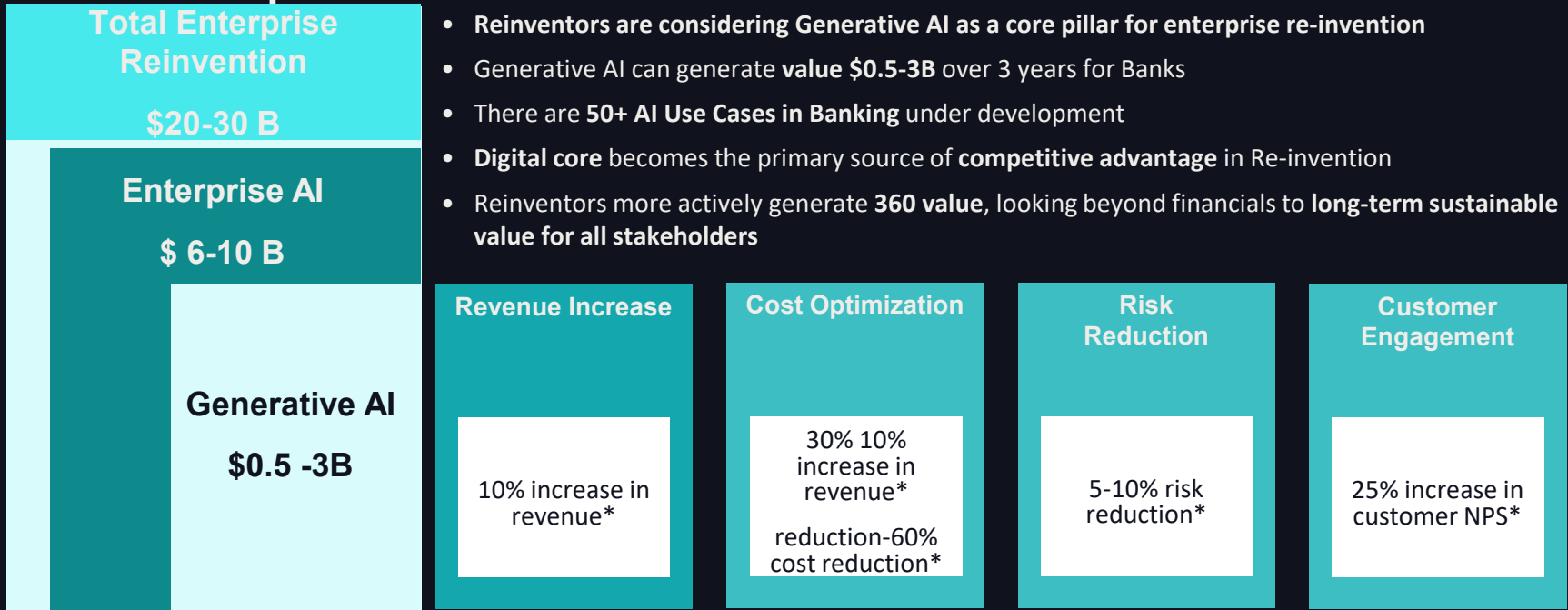
INTEGRATING MOSIAC ML AND DATA SECURITY IN ADVANCED AI



PRIYANKA H SHAH
June 12, 2024

Generative AI for Banking

Generative AI is critical in driving Total Reinvention & Value, enabling banks to set a new performance frontier



- Reinventors are considering Generative AI as a core pillar for enterprise re-invention
- Generative AI can generate value \$0.5-3B over 3 years for Banks
- There are 50+ AI Use Cases in Banking under development
- Digital core becomes the primary source of competitive advantage in Re-invention
- Reinventors more actively generate 360 value, looking beyond financials to long-term sustainable value for all stakeholders

Example Use Cases

- Personalized product offerings
- Personalized Wealth Advisory
- Technology- Code Generation
- Legal - Contract Generation and Review
- Transaction Fraud Detection
- Financial Crime
- Personalized Customer Interaction
- Robo-advisory



Generative AI can drive value across the Bank with the greatest value in Sales & Marketing, Customer Engagement, Technology, Risk & Compliance and HR/Legal

From a Banking perspective, Generative AI has the potential to deliver multi-billion-dollar value, on following Banking functions:

- Sales and Marketing
- Customer Engagement
- Risk Management and Compliance
- Technology
- Enterprise - HR and Legal

We estimate that for Banking, the opportunity value of Generative AI for mid-sized to large Banks ranges from

\$0.5 to \$3+ billion

Value opportunity for Generative AI in a Bank

Sales and Marketing		Digital Content Management	Brand Management	ATL & BTL Marketing	New Offer Management	
Onboarding		Relationship Managers	Lead Origination	Lead nurturing and Qualification	KYC	
Customer Engagement		Customer Experience and Value Management	Loyalty	Correspondence	Servicing	
Products	Deposits	Application Processing and Fulfilment	Application Processing and Fulfilment	Trade finance	Investment Management and Advisory	
		Account Servicing	Credit Assessment	Treasury	Research and Products	
Cross Products		Account Servicing			Execution	
		Product Innovation and Development				
		Product and Portfolio Management				
	Cards and Payments					
Risk Management & Compliance		Account & Portfolio Management	Collections Management	Audit and Compliance	Fraud Management	Financial Crime and AML
Technology		IT Planning and Coordination	IT Engineering	Enterprise Testing	Application Management	Document and Knowledge Management
Enterprise		Finance	Procurement	HR	Legal	
Data & Analytics		Data Governance	Data Sourcing Strategy	Data Structuring and Processing	BI Reporting & Self Serve	

We see Generative AI fundamentally helping to re-invent the end-to-end banking value chain



Generative AI will fundamentally re-invent banking value chain

As it drives truly personalized customer experiences & Non-linear process efficiency

☐ Empowering banks to achieve accelerated growth

☐ Managing risks comprehensively

Several Banks in US are already experimenting with Generative AI



J.P.Morgan

Contract Review

JPMorgan Chase is using generative AI (COiN) to automate the review and analysis of legal contracts. The technology helps to improve the speed and accuracy of contract reviews and reduces the risk of errors or oversights.

WELLS
FARGO

Risk Management

Wells Fargo is using generative AI to improve risk management by analyzing customer data and financial history to predict the likelihood of default. The technology helps to improve the accuracy of lending decisions and reduce the risk of loan defaults.



Financial Modelling

Citigroup is using generative AI to improve the accuracy and speed of financial modeling. The technology is used to automate the process of creating and updating financial models, which helps to improve the bank's forecasting capabilities and inform business decisions.

SO...WHAT ARE THE DETERRENTS TO THE AWESOMENESS OF GEN AI?

Will my data be used for LLM training?

Do LLMs store my prompts?

Where does my data go?

Data security

Gov
Commercial
Cloud
limitations

Compliance
and
Regulatory
Risks

Data
residency

Bank Audit
and Security
controls

Federal
Laws

Country
PDPA
laws

Internal
Banking
controls



- 1
- 2
- 3
- 4
- 5
- 6



INSTRUCTIONS

Read me first!

When using this template, create your new slides at the very top of the slide order. Explore the example slides below to find useful layouts and graphics to pull into your design. When your slide deck is complete, delete this slide and every slide below it.

Remember some rooms can have up to 1,000 seats, please make sure your slides are legible and easy to read.

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This presentation template uses two fonts:

DM Mono for large headlines and code snippets
Inter for sub-headlines and standard body copy

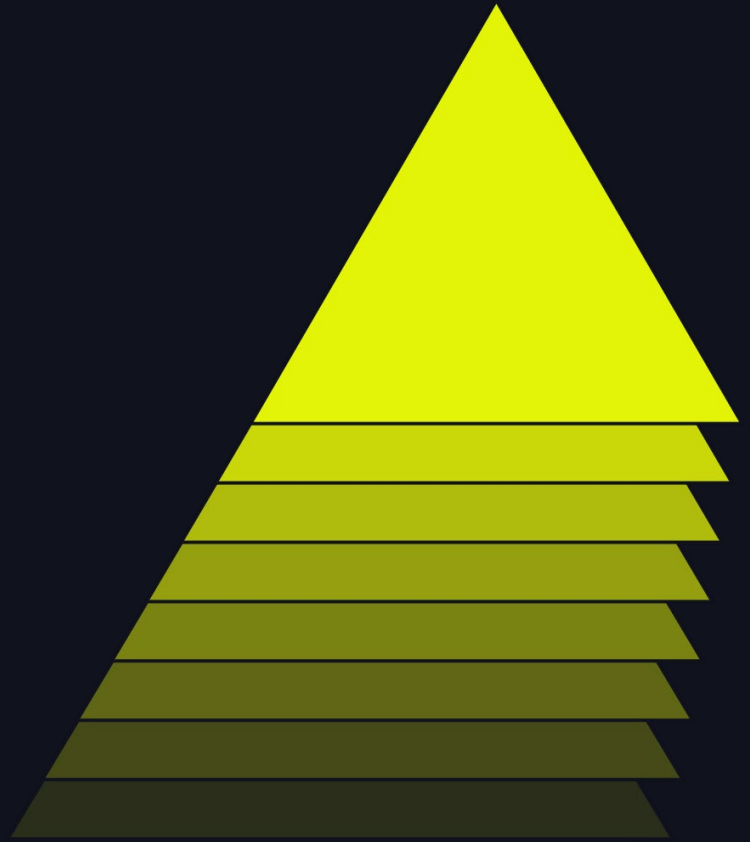
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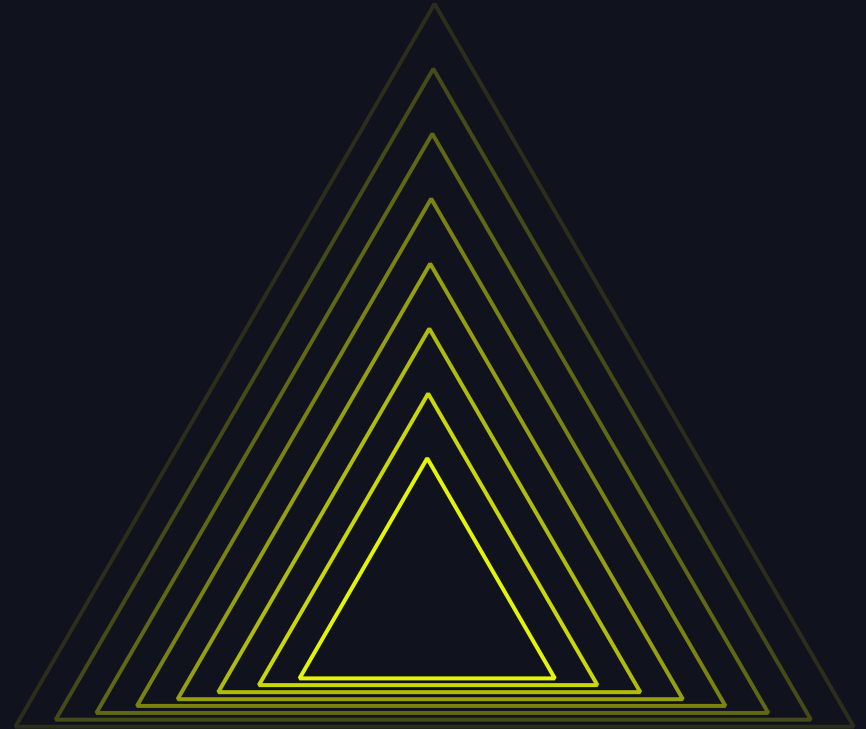


Author Name
Date



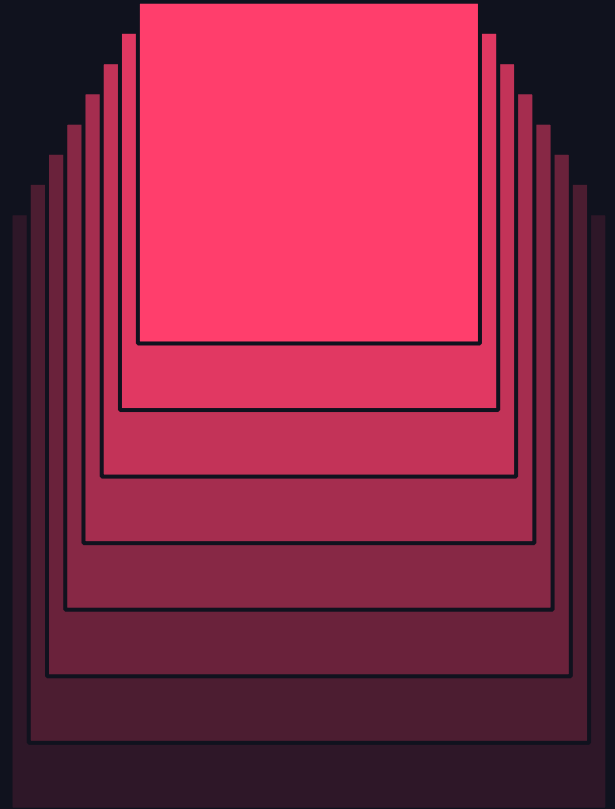
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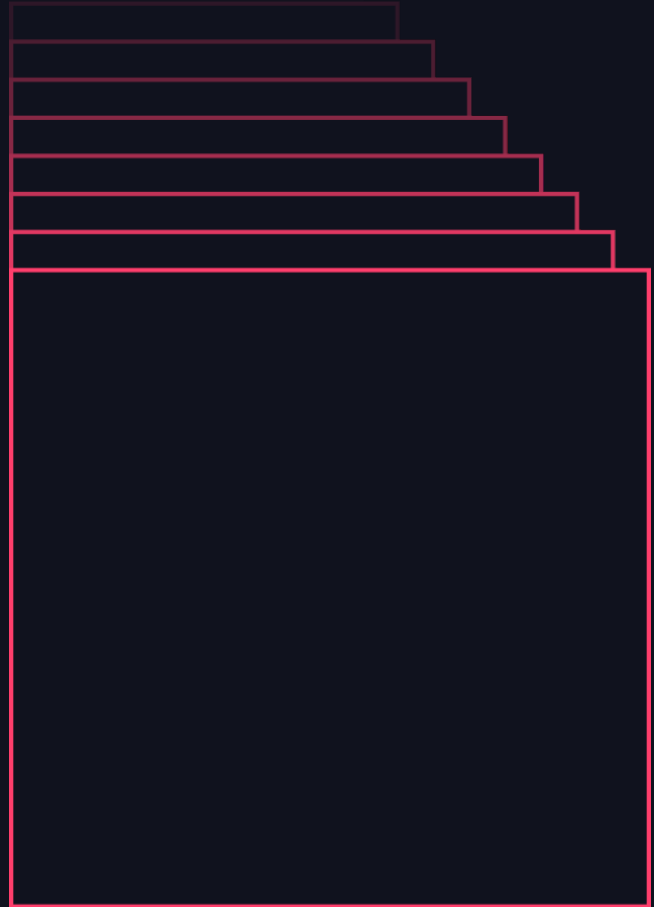
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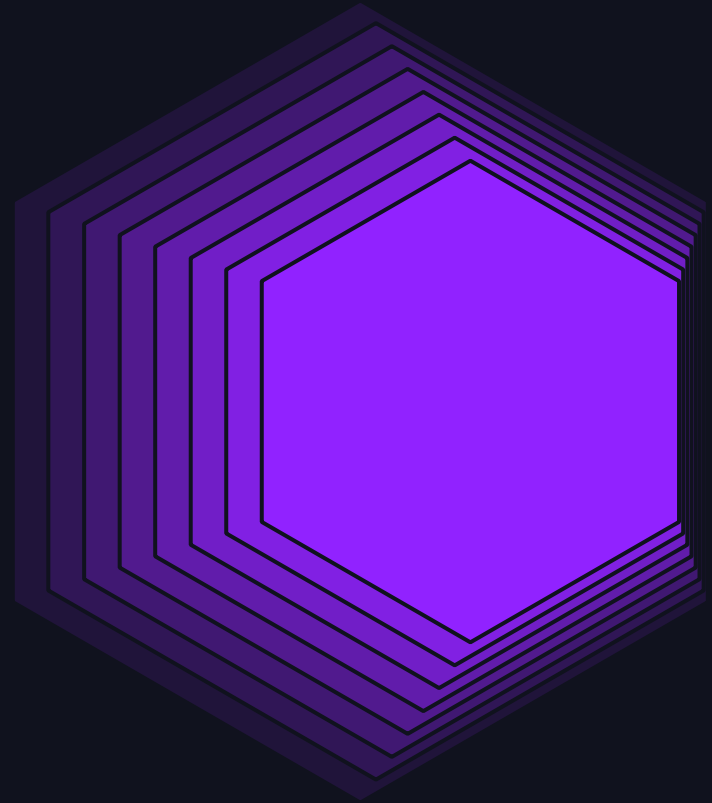


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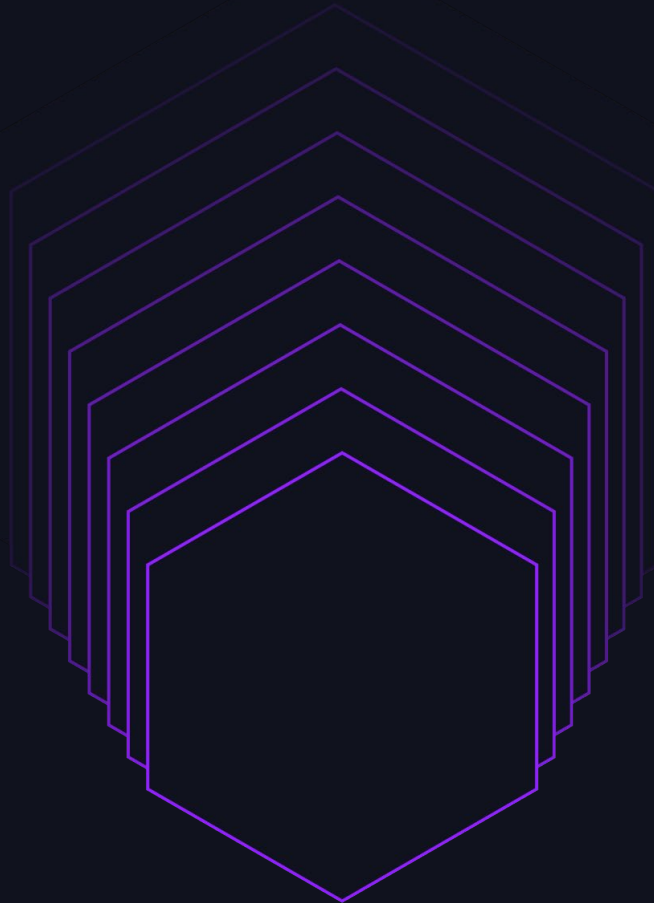
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THREE COLUMN TEXT WITH ICONS

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**YOUR LONGER SESSION
TITLE IN UPPERCASE
CAN FIT ON A TITLE
SLIDE WITH NO GRAPHIC**

YOUR BIG SECTION TITLE HERE

SHORT TITLE IN UPPERCASE

Use the subtitle to add extra relevant context if needed

- This slide is an all-purpose slide with our dark navy background

THREE-COLUMN CARDS

Your subtitle here

Card number one

- These cards are great for showing a 3-stage process, comparisons between 3 things, or whatever else you like

Card number two

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TWO-COLUMNS WITH ICONS

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CODE SAMPLE

Sample Python Code

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YOUR BIG SECTION TITLE HERE

**YOUR BIG
IMPACTFUL
STATEMENT
IS BOLD AND
SUCCINCT**

LEFTHAND CARD

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- This spot is great for a diagram, image, small table, code snippet or screenshot

- Add your content here.
- Bullet one
- Bullet two
- Bullet three

RIGHTHAND CARD

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FULL WIDTH CARD

Your subtitle here

- This card is good for larger diagrams, tables or other general use

**SHORTER
STATEMENTS
CAN WRAP
SOONER**

RESOURCES



LOGOS

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TABLE SAMPLES

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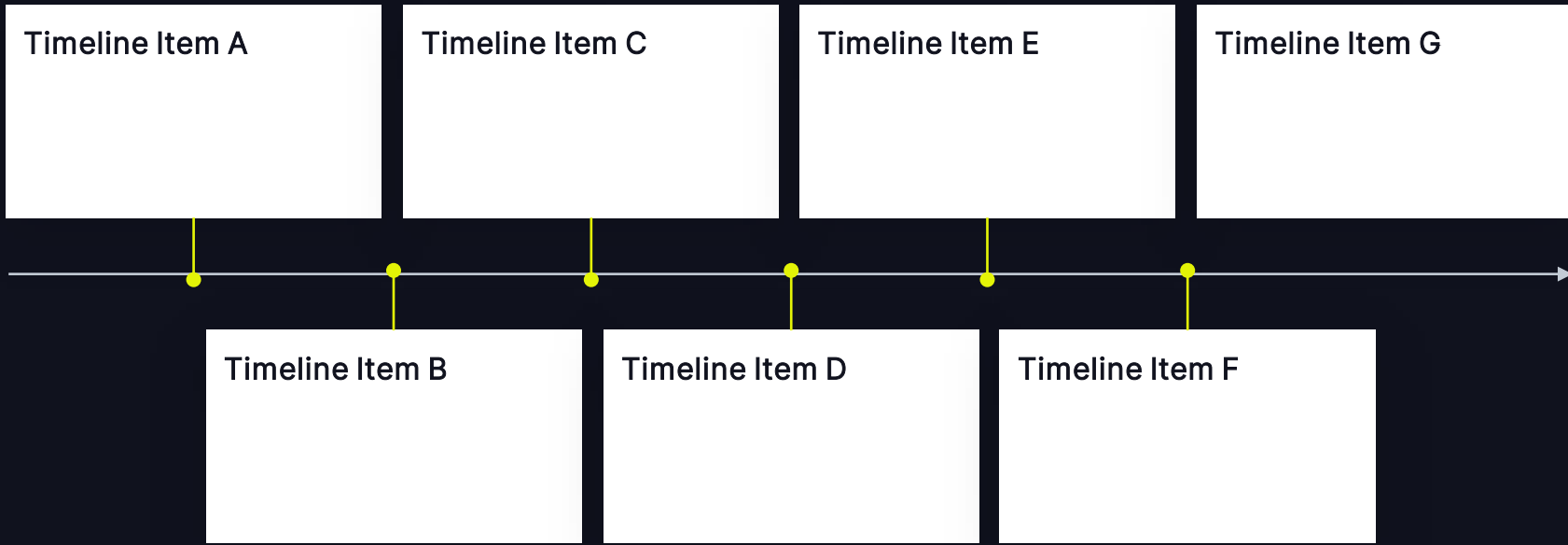
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Table Content	Table Content	Table Content
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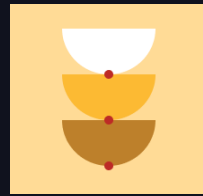
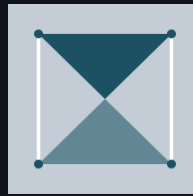
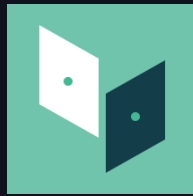
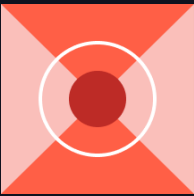
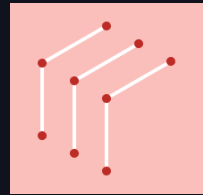
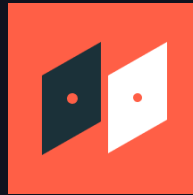
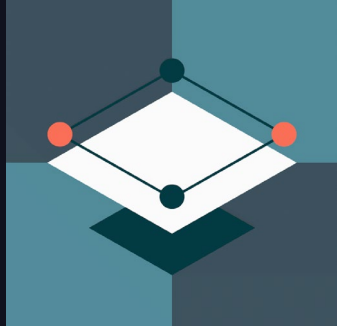
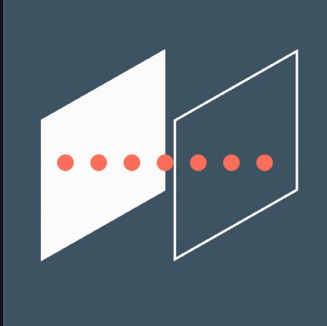
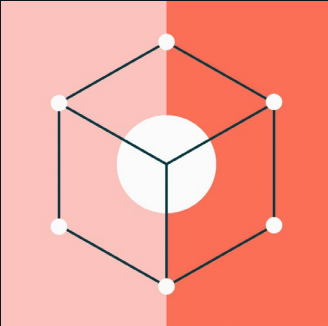


SECONDARY ICONS

Examples

Included are a few various icons and illustrations. To access the full library of icons, please follow this link:

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Analytics



Business Insights



Collaborative Data Science



Data Pipelines



Enterprise Security



Full Lifecycle ML



Analytics



Business Insights



Collaborative Data Science



Data Pipelines



Accelerator-Aware Scheduler



Built-In Functions

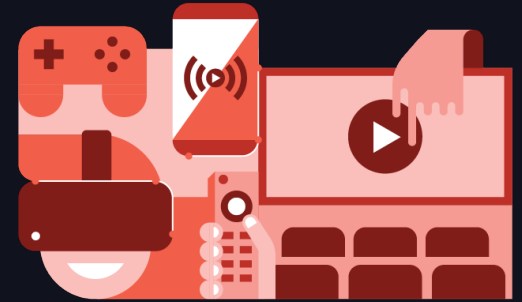


ILLUSTRATIONS

Examples

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DATA+AI SUMMIT

THREE COLUMN TEXT WITH ICONS

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