

ChatGPT

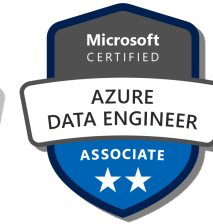
for Business Leaders



Presenter



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Big Data | Machine Learning | AI



Mohammed Arif has more than eighteen (18) years of working experience in Information Communication and Technology (ICT) industry. The highlights of his career are more than seven (7) years of holding various senior management and/or C-Level and had five (5) years of international ICT consultancy exposure in various countries (APAC and Australia), specially on Big Data, Data Engineering, Machine Learning and AI arena.

He is also Certified Trainer for Microsoft & Cloudera.



Related Resources

<https://arif.works/chatgpt>

Course Goals

What this course is:

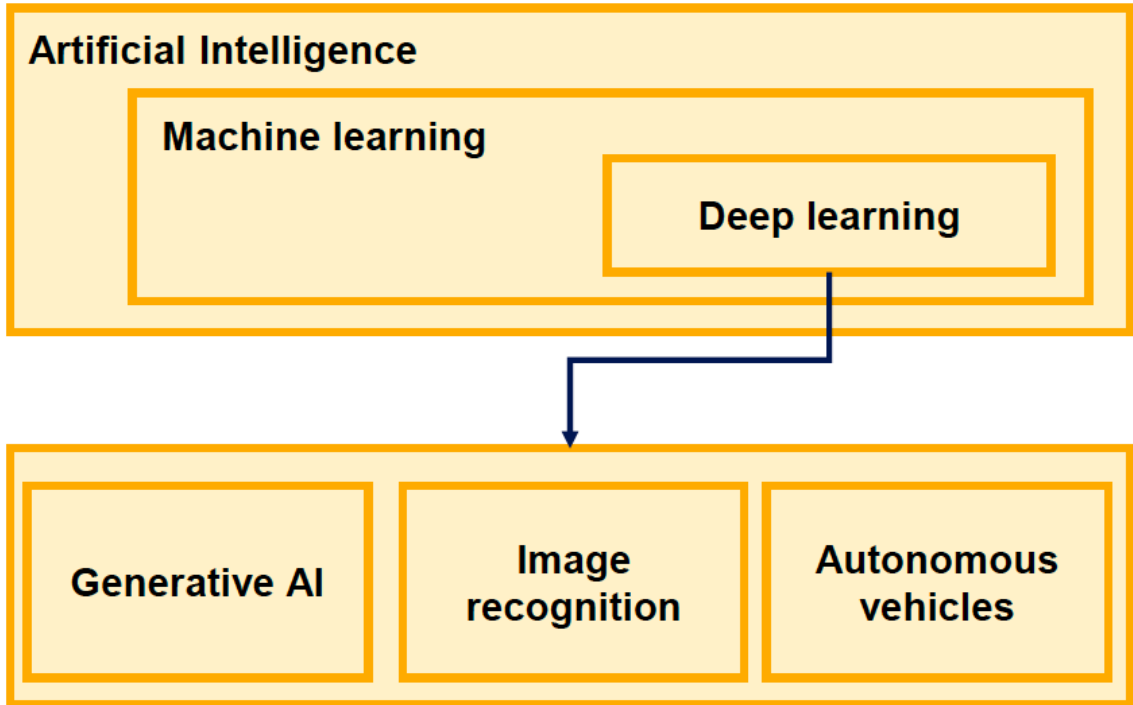
- A primer of Gen AI for Business Users
- Introduction to real-life case studies on using Gen AI for Business purposes

What this course is not:

- Technical how-to of Gen AI
- Long list of different Gen AI apps and use-cases

What is Generative AI?

How does it fit with AI?



What is it?

Deep learning technology that can produce various types of content (text, images, audio, etc.)

This block contains several visualizations related to AI and machine learning:

- Parse Tree:** A hierarchical tree structure representing a sentence. The root node is "IF_STMT", which branches into "IF_COND" and "THEN_CLAUSE". "IF_COND" further branches into "COMPONENT_REF" (which leads to "FIELD_DECL" with value "m_val" and "INDIRECT_REF" with value "this") and "CALL_EXPR" with value "write".
- Scatter Plot:** A plot showing the relationship between "Quarterly change in GDP (Δ%)" on the y-axis and "Quarterly change in the unemployment rate (Δ%)" on the x-axis. The data points are blue dots, and a black regression line shows a negative correlation.
- Neural Network Diagram:** A diagram of a neural network with multiple layers of nodes, representing a deep learning architecture.
- Deep Neural Network Architecture:** A diagram showing the structure of a deep neural network with an "Input layer", "Multiple hidden layer", and "Output layer".

Different types of Gen AI

Large Language
Models (LLMs)

GANs / Image
Creations

Music Generation

Drug Discovery /
Molecular Design

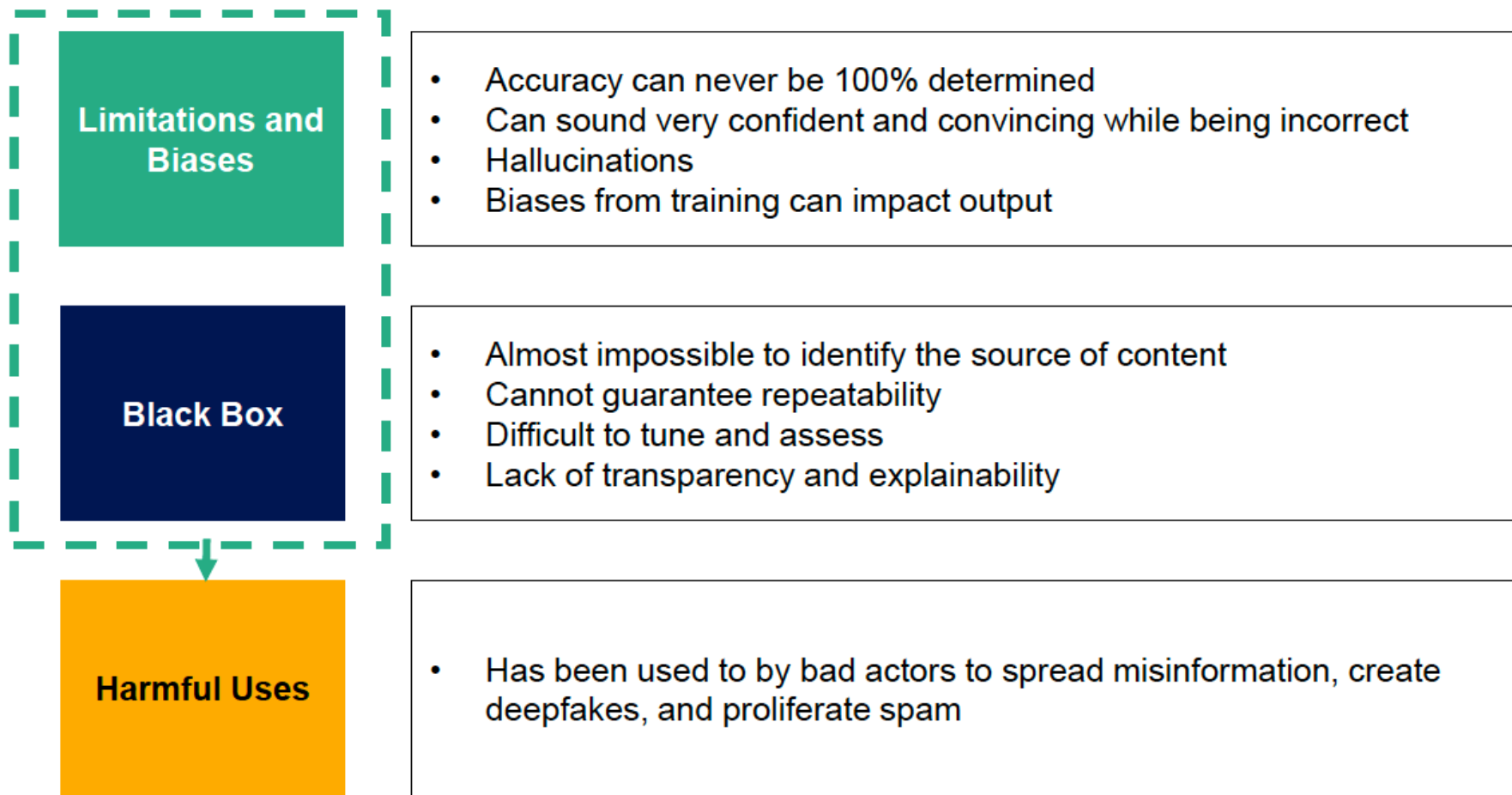
Style Transfer

Data Augmentation

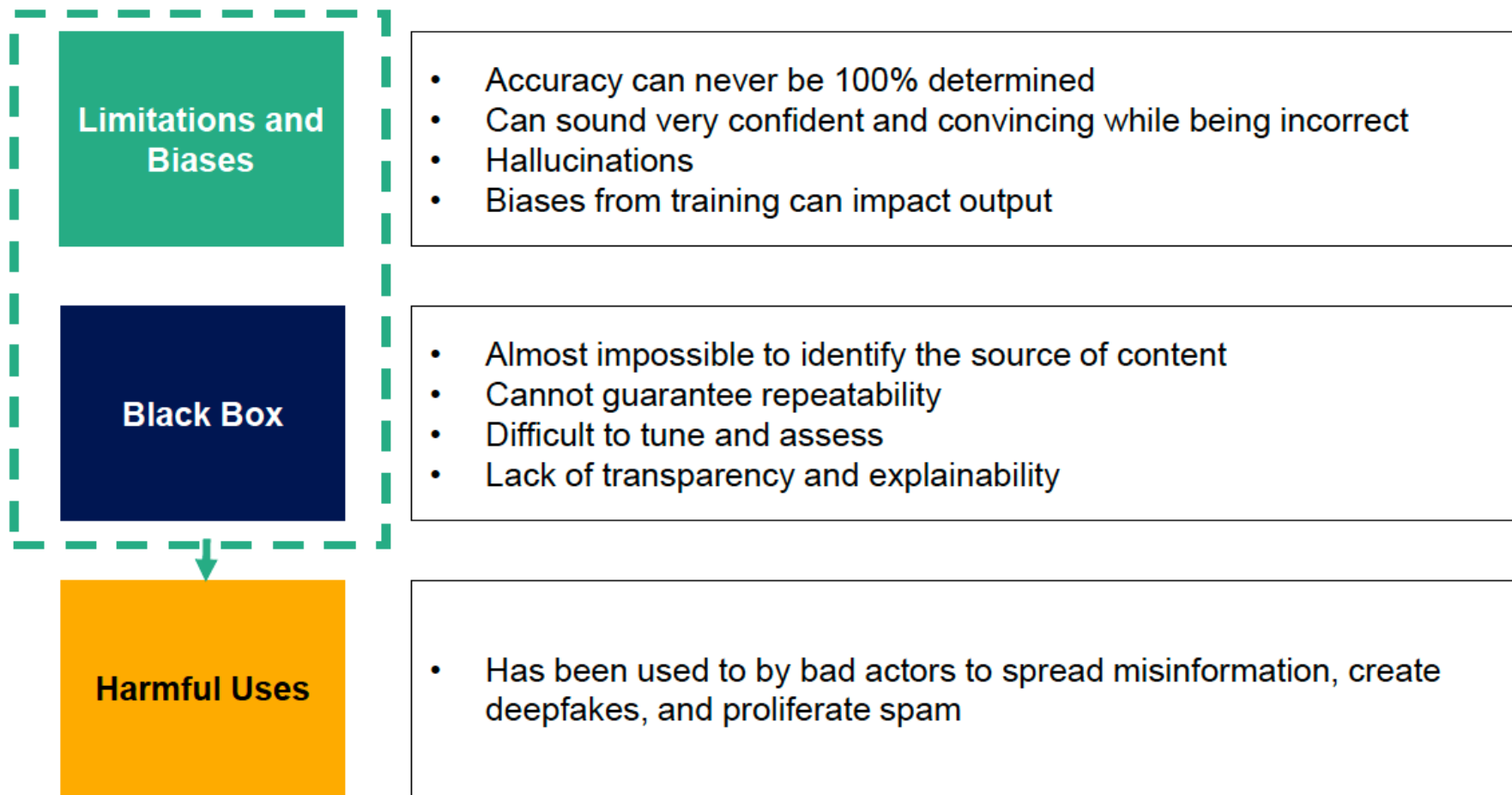
Different Generative AI models



Drawbacks of Generative AI



Drawbacks of Generative AI



Drawbacks of Generative AI

AI

How an AI deepfake ad of MrBeast ended up on TikTok

Amanda Silberling @asilbwrites / 4:27 PM EDT • October 3, 2023

 Comment



Drawbacks of Generative AI

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The future of Generative AI

Bigger, better models

- LLMs are expected to become more sophisticated
- LLM's will become more multi-modal (text, images, audio, and video)

From chat to actions

- LLMs will perform actions in addition to generating text
- LLMs will be integrated with other technologies, such as IoT, to provide more responsive environments.

More governance

- Inevitable that regulators and governments will begin to monitor and dictate practices
- Robust data privacy, security regulations, and transparency will become crucial

Best practices for using and integrating Gen AI in Business

Be Excited

- Gen AI can make you far more efficient and introduce new value propositions
- Gen AI will democratize access to knowledge
- Gen AI will only get better and more woven into our lives
- Those that use Gen AI will outpace those that don't

Be Cautious

- Gen AI can be wrong, biased, and downright hallucinate
- Gen AI may lack understanding of context, resulting in bad responses.
- Gen AI relies on its input data, making it susceptible to errors
- Gen AI lacks ethical judgment, limiting its use in morally nuanced situations

Humans must still be in-the-loop

End of Introduction