

A Gentle Introduction to Generative AI

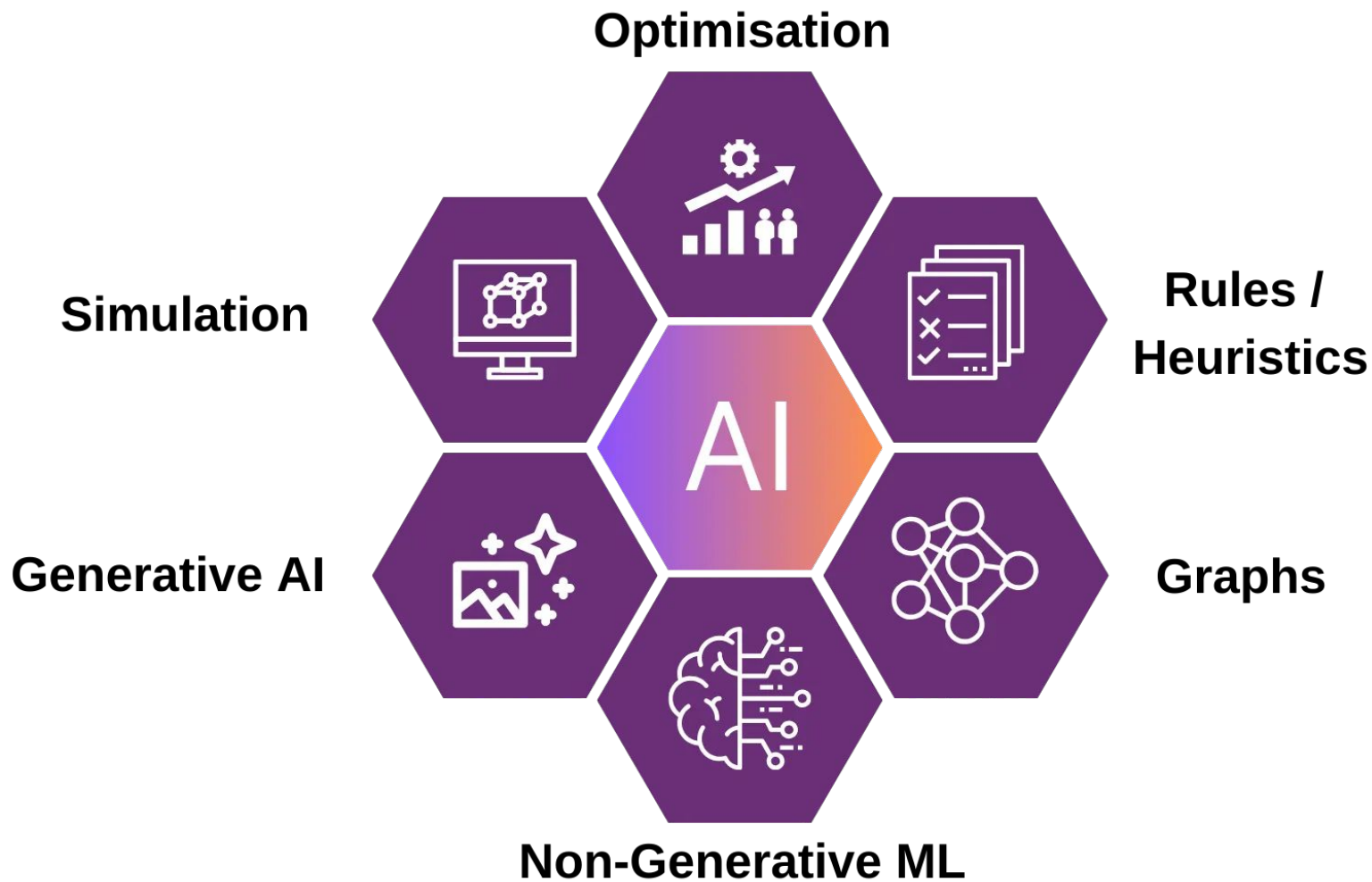
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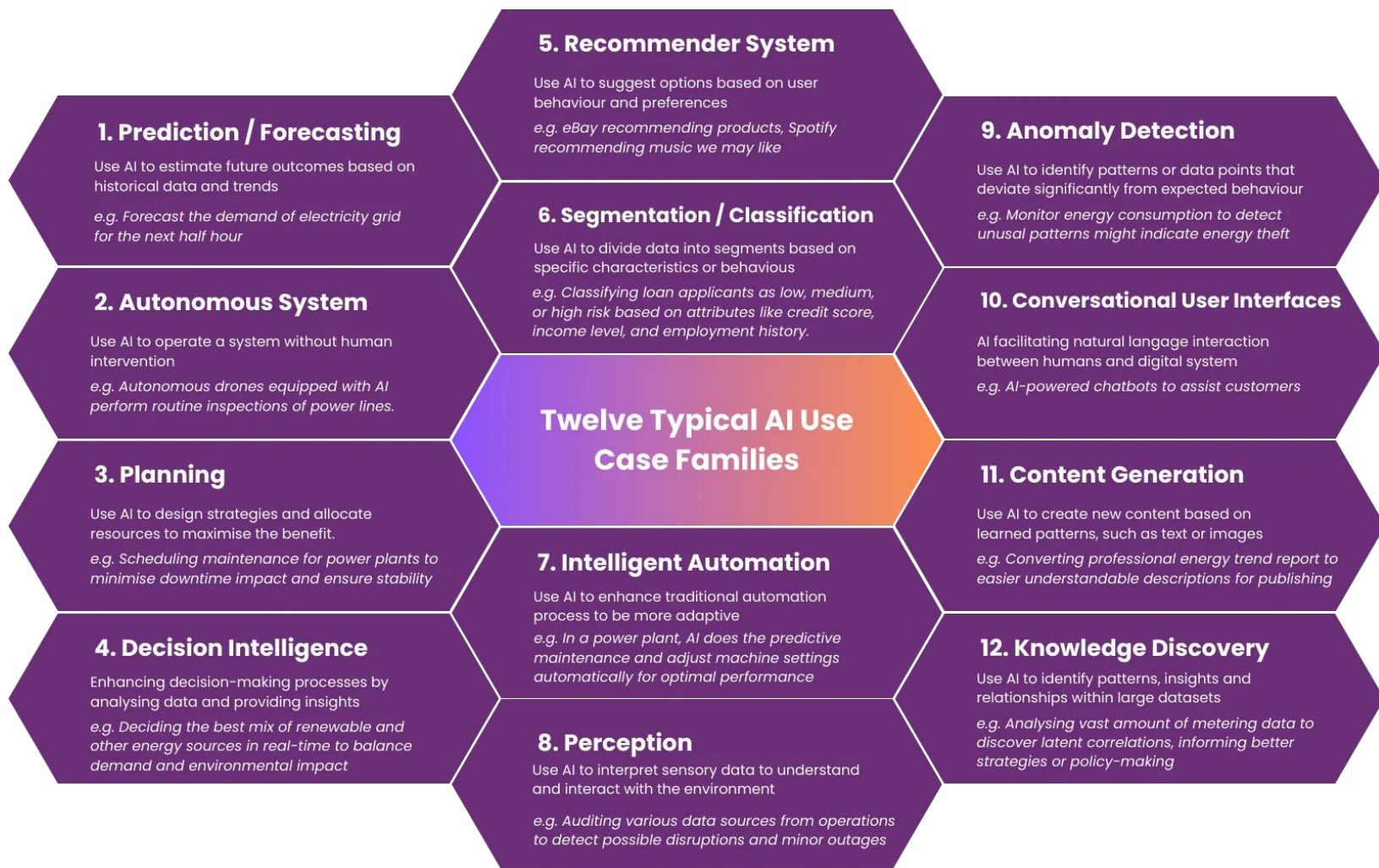
What are we talking about?

1. Who am I?
2. AI and Common Use Cases
3. Gen AI and LLMs
4. A Bit of Caution
5. How to ChatGPT

AI and Common Use Cases







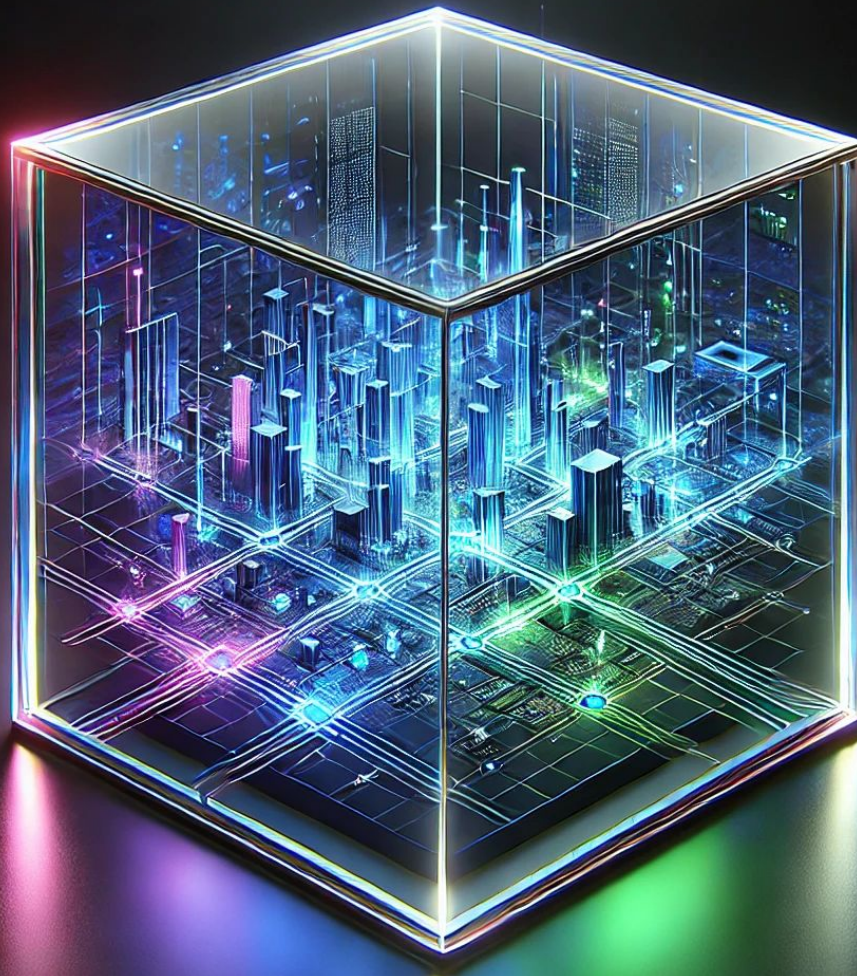
	Common AI Techniques					
Use Case Families	Generative Models	Non-Generative ML	Optimisation	Simulation	Rules	Graphs
Forecasting	Low	High	Low	High	Medium	Low
Planning	Low	Low	High	Medium	Medium	High
Decision Intelligence	Low	Medium	High	High	High	Medium
Autonomous System	Low	Medium	High	Medium	Medium	Low
Segmentation	Medium	High	Low	Low	High	High
Recommender	Medium	High	Medium	Low	Medium	High
Perception	Medium	High	Low	Low	Low	Low
Intelligent Automation	Medium	High	Low	Low	High	Medium
Anomaly Detection	Medium	High	Low	Medium	Medium	High
Content Generation	High	Low	Low	High	Low	Low
Chatbots	High	High	Low	Low	Medium	High
Knowledge Discovery	High	Medium	Low	Low	Medium	High

What is Generative AI?



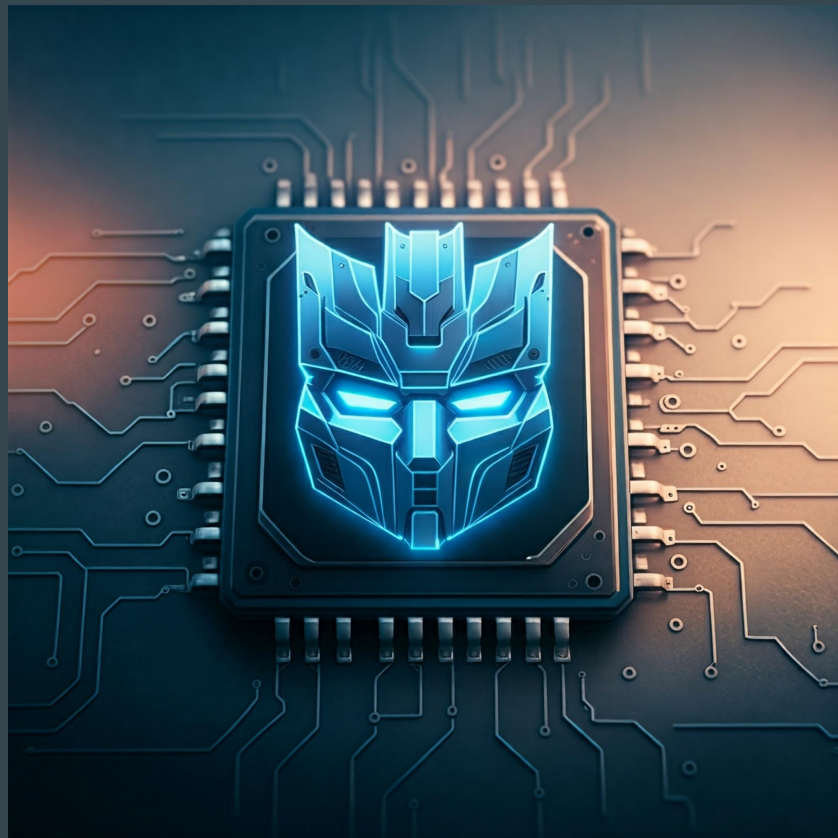
Large Language Models (LLMs)

- Trained on vast amounts of public data
- All your favorite internet sites...
- ...and all of the ones you hate
- Based on probability and prediction



LLMs are Good At:

- Sentiment analysis
- Classification
- Summarizing content
- Answering simple questions (chatbot)
- Editing existing copy
- Initial draft of copy



A Bit of Caution



Concerns with Gen AI

1. Fairness & Bias
2. Intellectual Property
3. Explainability & Reliability
4. Privacy & Security
5. Societal & Environmental Impact

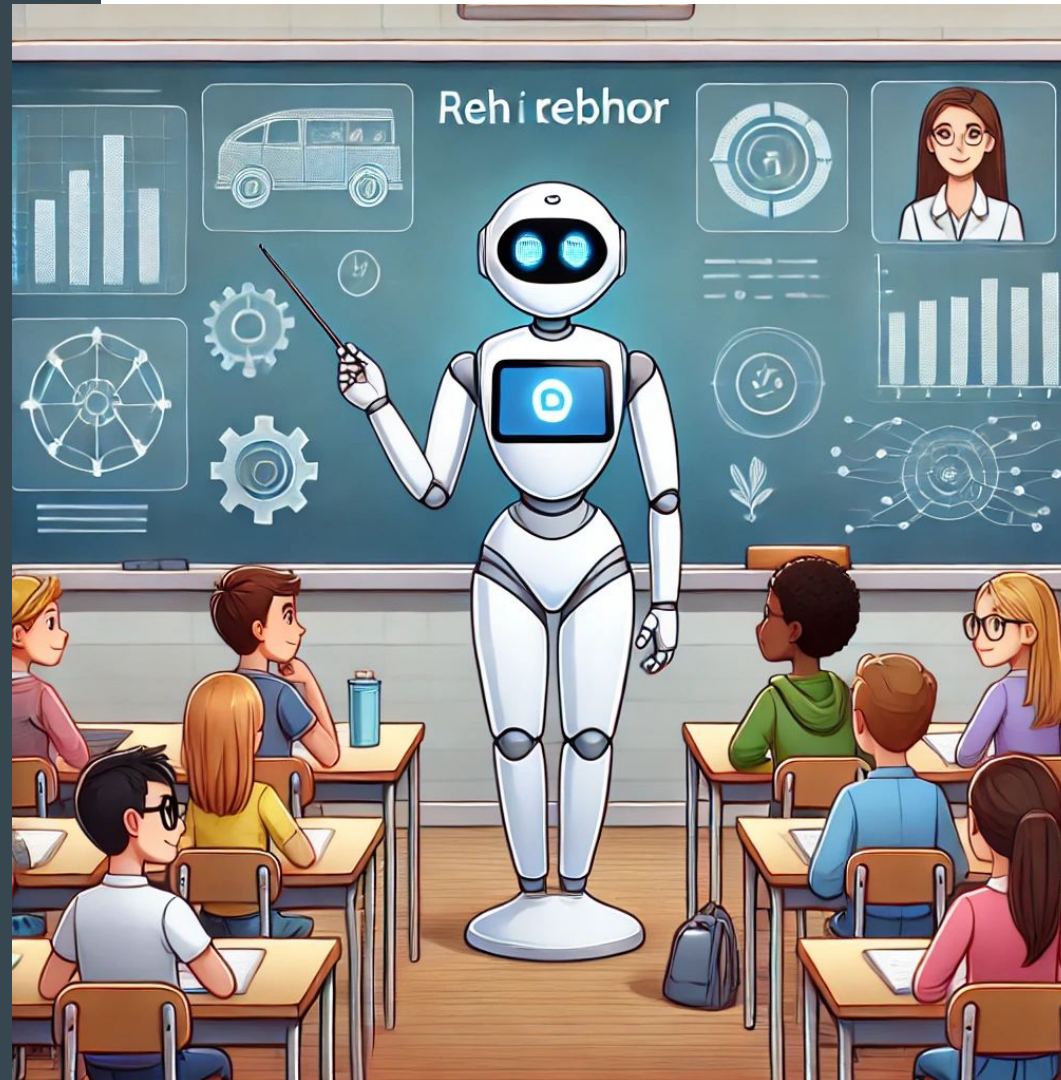


Some pointers

1. Create a collection of trusted prompts
2. Trust...but verify
3. Don't let the LLM do too much
4. Continue to test and experiment
5. Consult ArXiv, YouTube, TikTok, etc



How to ChatGPT





<https://bit.ly/intro-prompting>