GEN AI: 24hrs Course Outline

GAN: true beginning of modern generative AI.  
  
GAN use two neural networks (a generator and a discriminator) that compete to create realistic outputs like images  
  
Enabled AI to create new data, not just analyze it – e.g. generating faces, artworks, or even fake photos.  
  
**2017- Introduction of the transformer architecture** Google’s “**Attention is all u need**”, paper introduced the transformer revolutionizing natural language processing.  
  
Transformers focus on attention mechanisms, allowing models to understand context better than before.   
  
GPT 3 kinda better cuz of its public attention for its ability to chat, write, translate, and summarize with impressive fluency

Top field where generative AI is making a big impact

1. Medical
2. Marketing and Advertising
3. Finance
4. Human Resources
5. Education

5 reasons why u should learn gen AI

1. Career Advantage and High Demand
2. Critical thinking and problem, solving
3. Smarter learning and studying
4. Boost research and innovation
5. Build your own projects and services

# Python for ML

Lab1: Project requirements (Inventory Management System):

* 4 or more departments with items and their count and price
* 3 files for as .py, .json and .txt (for logs)
* User enters with their name and sees how much stock is remaining and buys whilst everything is kept trackof in logs.txt in simple easy to retrieval way and the items count r updated as well.
* Json file must be in class/object

GENAI Training

Chapter 1 - p