



SESSION 2 - TERMS

Chatbot

Generative

Transformer

Diffusion Models

Vibe Coding



CHATBOT

A computer program that “chats” with people by text or voice to answer questions or complete tasks.

You go to your bank’s web site, and a little window pops up asking, “How can I help you?” That’s a chatbot.



CHAT GPT

Chatbot Generative Pre-
Trained Transformer

Generative refers to new
content

Pre-Trained refers to
absorbing data before release

Transformer refers to a specific
type of neural network



GENERATIVE

AI approach where models learn patterns from existing data.

Then creates new content like what they learned, such as text, images, or code.



TRANSFORMER

An AI program that looks at all the words in a sentence at once.

Then figures out which ones matter most, so it can better respond.



DIFFUSION MODELS

Process by which an image is slowly and iteratively destroyed by adding noise.

- Forward Diffusion

AI learns to reverse the process to create an image by removing noise.

- Reverse Diffusion



VIBE CODING

Slang Term for users create applications, websites, or code by prompting AI Models

- Lowers Technical Barriers



AI TERMS IN THE NEWS

Deep Fakes

Digital media created or altered by artificial intelligence to make a real person look or sound like they are doing or saying something they never did.

Watermarks

Hidden or visible digital marker embedded into AI-generated content to **verify its authenticity and identify its synthetic origin.**

AI Detection AI

Program that analyzes writing to estimate the probability that it was generated by artificial intelligence



AI TERMS IN THE NEWS

Worm

- A worm is self-replicating malicious software.

AI Worms

- Worm generated designed or autonomously generated.

Rogue AI

- Reference to an AI model escaping a secure testing environment.