

HomeSpiration

Your creative home improvement companion

Topic : Seminar Abstract Report

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Where Thou Art That is HOME

"Unlocking Dreams: The Future of Home Design Collaboration." Within this digital haven, customers, and companies seamlessly unite to redefine the way we envision and create our dream homes. As a logged-in customer, the platform invites you to dive into a gallery of the latest home plans generously shared by innovative companies. Imagine browsing through a collection of potential dream homes at your fingertips – an experience that makes turning the pages of a digital dream book a reality.

Yet, the magic goes beyond browsing pre-existing plans. Picture this: your dream home is unique, and you want to convey exactly how it should look. Here comes the awe-inspiring part – share your vision by providing a simple prompt about your ideal house. Enter OpenAI, the wizard behind the scenes. Through its ingenious algorithms, OpenAI brings your dream to life by crafting a stunning diffusion model of your envisioned home.

Now, the thrill continues. Ever wondered what it's like to step inside your dream? Click the "Generate 3D Model" button, and watch the platform weave its magic, transforming your diffusion model into a mesmerizing 3D representation. Suddenly, your dream home isn't just an idea; it's a tangible, digital reality.

Join us for a seminar that promises simplicity and captivation. This isn't just about plans and models; it's about turning dreams into tangible, digital reality. Get ready to be inspired as we unravel the future of construction collaboration, where every dream home is a click away from becoming a digital masterpiece before your very eyes!

DIFFUSION MODEL :

Diffusion Models are **generative** models, meaning that they are used to generate data similar to the data on which they are trained. Fundamentally, Diffusion Models work by **destroying training data** through the successive addition of Gaussian noise, and then **learning to recover** the data by *reversing* this noising process. After training, we can use the Diffusion Model to generate data by simply **passing randomly sampled noise through the learned denoising process**.

A diffusion model is a type of generative AI model that generates high-resolution images. It works by gradually adding Gaussian noise to the original data and then learning to remove the noise.

STABLE DIFFUSION :

Stable Diffusion is a latent text-to-image diffusion model capable of generating photo-realistic images given any text input, cultivates autonomous freedom to produce incredible imagery, empowers billions of people to create stunning art within seconds.

Stable Diffusion is a deep learning model that generates images from text descriptions. The model is considered to be a part of the ongoing AI spring, which refers to the rapid development of artificial intelligence technologies.

DALL-E :

DALL-E is a generative model developed by OpenAI. It is a variant of the GPT-3 model architecture and is designed for image generation. DALL-E is trained to generate images from textual descriptions. It takes a text prompt as input and produces an image that matches the description. The model is capable of creating diverse and imaginative images based on the input it receives. For example, you could input a description like "a two-story pink house shaped like a shoe" and DALL-E might generate an image that fits that description.

Dall-E Free utilises DALL-E, a powerful AI model, to generate unique and high-quality images. Users can access the website and easily generate and download these DALL-E-generated images for their projects. You can insert a prompt and generate an image as per your liking.