



AI-SlideWizard a tool for AI powered presentations

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ABSTRACT

PPT generation is done in MS PowerPoint from scratch. On any idea, a person has to start from a blank slide and put their ideas together in the form of text or images depending on the topic they are presenting. It's a hassle to make presentations from scratch. With the advancement of technology, there should be ease for everyone. Artificial Intelligence has grown into a useful tool in recent years allowing computers to think and act like humans. AI research is ongoing and expanding in today's world. We can now generate visually appealing and informative PPT slides using AI-based techniques. These involve Pre-trained models of text and image generation, also the Python built-in libraries. Our product is summed up on Falcon 7b (Fine-tuned), Stable Diffusion, and Python pptx library. PPTs will have images and text related to the topic that will reduce the time of the user and it will give him PPT containing innovative ideas on his topic which he can edit later on.

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1. Introduction

1.1. Definition

PowerPoint presentations also known as PPT presentations consist of slides having text, images, multimedia, and animations. Over 500 million people use PowerPoint for their presentation of ideas in offices, schools, and universities. Around 30 million PowerPoint presentations are being created each day around the world. PPTs are being widely used for different purposes like making tutorials, digital portfolios, and slideshow of photos by companies, educational institutes, and government institutions to offer a digital slide show which is even more engaging. It aids in effectively reaching the intended audience by delivering

the precise message and information they seek, which might have been challenging otherwise. Moreover, PowerPoint presentations elevate the overall quality of a presentation, making them a preferred choice for presenters. The primary purpose of a PowerPoint presentation is to showcase visuals and capture the audience's focus on critical elements and the central message.

PPTs have become valuable tools for instructing and training students, employees, and trainees. They are ideal for crafting tutorials, worksheets, and educational materials that can be easily distributed and referenced in the future. Users can leverage PPTs to build professional digital portfolios, showcasing their work with captivating image slides. This digital portfolio not only

offers a convenient way to share their creations via email but also saves valuable time. Additionally, users can use PPTs to create dynamic slide shows and digital albums, promoting themselves and their content effectively.

1.2. The main problem

PPT generation, traditionally done in MS PowerPoint, involves starting with a blank slide and manually assembling ideas using text, images, and other elements based on the presentation topic. This process can be tedious and time-consuming. However, as technology advances, there is a growing need for easier and more efficient ways to create presentations.

The current method of starting from scratch requires users to design each slide, select appropriate layouts, and add content manually. This can be a hassle, especially when dealing with complex or data-heavy presentations. Furthermore, individuals may lack design expertise, leading to presentations that might not be as visually engaging or impactful as desired.

1.3. Solution

Given the rapid advancements in technology, there is an expectation for tools that simplify the presentation creation process. Automation and AI-driven solutions could revolutionize how presentations are generated, allowing users to input their content or ideas, and the software intelligently arranges and formats the information into professional and eye-catching slides.

With such advancements, users could have access to templates tailored to different topics or industries, saving time and effort. Additionally, AI algorithms could analyze input data, generating appropriate visuals like charts, graphs, and images automatically, enhancing the overall quality and clarity of the presentation. The goal is to make the process of PPT generation more accessible to everyone, regardless of their design skills or technical expertise. By leveraging technology, users can focus on the content and the message they want to convey, while the software handles the layout and formatting, resulting in polished and effective presentations that captivate audiences.

In summary, the evolution of PPT generation tools is geared towards offering user-friendly and time-saving solutions, streamlining the process, and ensuring that anyone can create professional presentations without the hassle of starting from scratch.

1.4. Related work

There are several companies that provide the facility of automated generation of PowerPoint presentations on the Internet e.g. beautiful.ai. It gives access to templates, a slide library, millions of photos

and videos for your presentation, customizable themes, voice narration, sharing, and collaboration, and can be integrated with Slack, Monday.com, DropBox, and PowerPoint. Other examples are designs.ai and presentations.ai. As for designs.ai, it gives the user access to millions of designs and video assets to use in a presentation. Presentations.ai provides access to premium templates, custom colors and fonts, and video collaboration. Kroma.ai specializes in pitch deck designs, organizes data neatly with charts and graphs, and gives access to a high-resolution library packed with images, icons, and videos to make presentation pop. Also, it gives a special feature to add the logo as well. Deck Robot works on already created PPTs. It organizes and customizes presentations to the user's liking and it redesigns the old branded PowerPoint to new colors, fonts, and other branded assets. Slidebean provides services to create your own presentation or use their presentation design service, it gives different design alternatives. Pitch allows you to make presentations from scratch or create new ones using the well-designed templates provided by it. Their AI feature is limited to editing and cropping, giving the user full control over most of the functions in the presentation maker. Penji creates crisp presentation designs tailored to users' unique needs, and provides unlimited graphic designs along with it, like social posts, product packaging, Facebook ads, or whatever else you need.

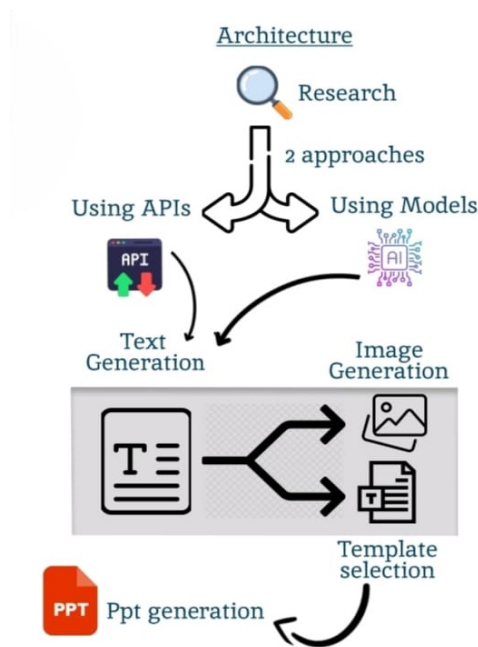
1.5. Uniqueness of our project

Our project provides a presentation on any topic in the form of text and images slides. For users who do not want visuals in their presentation or are somehow willing to add their own statistics or visual representations can opt for template variations functionality and since there is no image generation in this so the product will be delivered in quarter the original time.

Template variation is a key component of this feature, allowing users to select from a minimal artistic collection of innovative and attractive color-schemed backgrounds. These templates serve as a visually appealing canvas, displaying the title and description of the related topic on each slide. Users can easily customize these templates to match their brand identity or personal preferences.

Our product adds an advanced template management system that offers a wide range of pre-designed layouts. The platform allows users to toggle off the image generation module through user-friendly interactions while retaining all other formatting options.

To the best of our knowledge, there is no website that provides both functionalities at the same time, which makes our project unique from all.



1.6. Division of the rest of the paper

In this research paper, our focus is on exploring various online projects, understanding their approaches, and highlighting the key differences between their methodologies and ours. We aim to provide a comprehensive analysis of the projects in question to identify the strengths and weaknesses of each.

Firstly, we will delve into an overview of the online projects under consideration, detailing their objectives, target audience, and scope. By studying their methodologies, algorithms, and techniques, we can gain valuable insights into the strategies they employed to achieve their goals.

Next, we will thoroughly examine our own online project, offering a detailed explanation of its key components, functionalities, and implementation. To ensure clarity, we will provide clear and coherent algorithms or flowcharts to illustrate the step-by-step processes involved in our approach.

Additionally, we will share the results and outcomes of the experiments conducted during the course of our project. These experiments play a crucial role in validating the effectiveness and efficiency of our approach. We will present the data, charts, and analyses obtained from these experiments, allowing readers to understand the empirical evidence supporting our work.

Finally, the paper will conclude by summarizing the main findings and lessons learned from the comparative analysis of the online projects and the presentation of our project. We will discuss the implications of our work and suggest possible areas for future research and improvement.

Overall, this paper aims to provide a comprehensive and in-depth exploration of online projects, shedding light on their methodologies, and presenting our unique approach.

2. Extensive literature survey

Certainly! Automated PowerPoint generation platforms utilize cutting-edge technologies, particularly Artificial Intelligence (AI), to simplify and streamline the process of creating compelling presentations. These platforms are available on the internet and offer various features to enhance the overall presentation-building experience.

2.1. The old projects

1. (Beautiful.ai): This platform provides a user-friendly interface with a vast collection of pre-designed presentation templates to choose from. Users can effortlessly access a slide library and an extensive repository of photos and videos. They can customize themes, add voice narration to their slides, and easily collaborate with others on the same presentation. Moreover, Beautiful.ai seamlessly integrates with popular productivity tools like Slack, Monday.com, DropBox, and PowerPoint, enabling smooth workflow management.
2. (Designs.ai): Designs.ai is a powerful platform that provides users with an extensive library of professionally crafted designs and video assets. Users can easily incorporate these high-quality visuals into their presentations, enhancing the overall visual appeal and aesthetics of their slides. The vast collection of designs and videos covers a wide range of topics and styles, ensuring that users have access to a diverse set of resources to complement their content and messages effectively. By leveraging these design assets, users can create visually captivating presentations that leave a lasting impression on their audience.
3. (Presentations.ai): Presentations.ai is a feature-rich platform that offers premium templates designed to meet various presentation needs. Users have the freedom to personalize their presentations by customizing colors, fonts, and other visual elements, tailoring them to align with their branding or preferred styles. Furthermore, Presentations.ai facilitates collaboration among users, enabling multiple individuals to work together seamlessly on the same presentation through video collaboration features. This collaborative approach ensures efficient teamwork and

idea-sharing, resulting in well-crafted and cohesive presentations that reflect the collective effort of the contributors.

4. (Kroma.ai): Targeting pitch deck designs, Kroma.ai enables users to neatly organize their data with intuitive charts and graphs. Its high-resolution library is packed with images, icons, and videos, empowering users to create captivating and professional presentations. Additionally, Kroma.ai allows users to add their company logo for consistent branding.
5. (DeckRobot): This platform focuses on revamping existing PowerPoint presentations. It analyzes and organizes the content, customizing the slides to the user's preferences. Deck Robot gives old branded presentations a fresh makeover with new color schemes, fonts, and other branded assets, saving users the hassle of redesigning from scratch.
6. (Slidebean): Slidebean offers a dual approach to presentation creation. Users can either utilize DIY tools to create presentations themselves or opt for a presentation design service. The platform provides various design alternatives to cater to individual preferences and needs.
7. (Pitch): Pitch presents users with the flexibility to create presentations from scratch or choose from an array of well-designed templates. While its AI feature is limited to editing and cropping, it allows users full control over most functions in the presentation maker, ensuring a personalized touch.
8. (Penji): Penji specializes in crafting polished and tailor-made presentation designs to meet unique requirements. In addition to presentations, the platform offers unlimited graphic designs, catering to various graphic design needs such as social media posts, product packaging, Facebook ads, and more.

2.2. *The problems they have*

1. Beautiful.ai

Limited Customization: While the templates are handy, the platform may lack the level of customization that some users desire, especially for those who have specific design requirements.

Feature Set: Depending on the user's needs, Beautiful.ai might be perceived as lacking certain advanced features present in other presentation tools, such as video integration or complex animations.

Offline Access: Beautiful.ai is primarily a web-based tool, which means it requires an internet connection to work. This limitation might be an

issue for users who need to create or edit presentations while offline.

2. Designs.ai

Design Limitations: While AI can assist with design, it may have limitations when it comes to creativity and understanding specific design nuances, which could lead to generic or repetitive results.

Customization Challenges: AI-generated designs might lack the personal touch and customization that businesses often desire to establish a unique brand identity.

Dependency on Internet Connection: If Designs.ai is primarily a web-based platform, it may require a stable Internet connection to access and use its features, limiting usability in certain situations.

3. Presentations.ai

Lack of originality: presentations.ai may suffer from a lack of originality in its design and features. The platform may not offer unique or innovative features that set it apart from other presentation tools. This can make it difficult for presentations.ai to stand out in a competitive market.

Limited customization options: Users may find that presentations.ai has limited customization options for their presentations. This can restrict their ability to create unique and personalized designs, leading to a lack of visual distinction in their presentations.

Performance issues: Users may experience performance issues with presentations.ai, particularly when working with larger presentations or complex media files. Slow loading times, glitches, or crashes can disrupt the user experience and lead to frustration.

4. Kroma.ai

Limitations in Creativity: While AI-generated color palettes can be useful, some designers may find that relying solely on AI restricts their creative freedom, leading to potentially generic or repetitive design choices.

Personalization: Designers often seek unique color combinations that align with their brand or specific project requirements. AI-generated palettes might not always address these personalized needs.

Color Perception: Human perception of color can be subjective and influenced by various factors. The AI-generated palettes may not always align perfectly with individual preferences or cultural contexts.

5. Deck.Robot

Limited template options: The platform currently offers a limited selection of templates, which can

make it challenging for users to find a design that suits their specific needs. Expanding the template library with a wider range of options would provide users with more creative choices.

Complexity for beginners: The platform may feel overwhelming and complex for users who are new to creating presentations. The learning curve can be steep, and comprehensive tutorials or guidance cannot help beginners navigate the platform effectively.

Lack of advanced features: While deckrobot.com allows for basic presentation creation, it lacks some advanced features that are commonly found in other presentation tools. Features such as animation effects, advanced transitions, and interactive elements are currently missing, limiting the creative possibilities for users.

6. Slidebean

Limited Customization: While the templates are convenient, some users might find the level of customization options to be limited compared to other more feature-rich presentation software.

Design Uniformity: The automated design features may lead to presentations that look generic or lack a unique visual identity, especially if multiple users rely heavily on the same templates.

Offline Access: Depending on the version of Slidebean, it may require an internet connection to use, limiting its usability in offline environments.

7. Pitch

Learning Curve: While Pitch is user-friendly, some users might experience a slight learning curve when first using the platform, especially if they are transitioning from other presentation software.

Feature Set: Depending on the specific needs of users, Pitch may not have all the advanced features and functionalities offered by other presentation tools on the market.

Offline Access: As with some other online-based presentation platforms, Pitch's full functionality might require an internet connection, limiting access in offline environments.

8. Penji

Project Limitations: While Penji offers unlimited design projects, there might be certain limitations on the number of concurrent projects or revisions allowed at any given time. These limitations could affect users with complex or time-sensitive design needs.

Design Subjectivity: The quality and style of designs might be subjective and may not always align perfectly with individual preferences or brand identity.

Communication Challenges: Since Penji is an online service, communication with designers might be limited to messaging and briefs, which could potentially result in misunderstandings or misinterpretations of design requirements.

3. The main idea

3.1. Detailed explanation

In today's fast-paced technological landscape, there is a growing demand for presentation creation tools that simplify the often time-consuming and intricate process. With the advent of automation and AI-driven solutions, the landscape of presentations is undergoing a potential revolution, promising a more efficient and seamless generation process.

These advanced tools are designed to empower users with the ability to input their content or ideas, while the software itself takes charge of intelligently arranging and formatting the information into visually stunning and professional slides. This transformation has the potential to liberate users from the burdensome task of manually designing each slide, allowing them to focus more on the substance and message they wish to convey.

One of the key advantages of these AI-powered tools is their ability to offer a diverse range of templates tailored to different topics or industries. This saves users precious time and effort in selecting appropriate layouts and styles that suit their content. Furthermore, AI algorithms can analyze the input data, automatically generating appropriate visuals like charts, graphs, and images, which not only enhances the overall quality of the presentation but also ensures clarity and precision in delivering information.

The ultimate goal behind this evolution of PPT generation tools is to make the process more accessible to a broader range of users, regardless of their design skills or technical expertise. By leveraging technology, these tools level the playing field, enabling anyone to create polished and professional presentations without the need to start from scratch. This democratization of presentation design allows individuals and businesses to communicate their ideas effectively and captivate audiences with visually engaging content.

In summary, the ongoing development of AI-driven PPT generation tools aims to provide user-friendly and time-saving solutions, streamlining the presentation creation process and ensuring that everyone can effortlessly craft impactful and professional presentations. As these technologies continue to progress, the future of presentation design promises a more seamless and engaging experience for both presenters and their audiences.

4. Experiments

4.1. SUCCESSFUL:

1. FALCON - 7B (Fine Tuned) (Text generator):

1..1 Introduction of model:

It is a text-generative model that is trained on millions of dataset files and to give a desired output on questions given by the user that acts as a prompt the model generates the answer on the basis of the learning it is given. Its parameters involve only a 7B decoder-only model built by TII (Hugging-Face) based on Falcon 7b and fine-tuned on a mixture of chat/instruct datasets. The licensing of the Falcon-7B is one noteworthy feature. It is made available under the open-source Apache 2.0 license, which does not impose any fees or limitations on commercial use. Those wishing to use the model for business applications may find the license flexibility helpful.

Falcon 7b is a large language model with 7 billion parameter causal decoder-only model that was trained on 1,500 billion tokens of the RefinedWeb that had been supplemented with selected corpora. Falcon is mainly trained in English and French language but after giving it our customized data set it only works with English language models.

1..2 Fine-tuning (By changing the dataset):

Falcon was further fine-tuned by us on a generated set of data with an output that is according to the one given slide by slide with a defined title for each slide and the description of that title accordingly. For this process execution, we used 4-bit quantization and QLoRA which are easily accessible via bitsandbytes and the peft libraries. QLoRA is a research paper that works on model precision and makes them available in 4-bit float data types for large language models. This particular fine-tuning technique reduces memory and computational requirements due to model compression but demands a T4 15 GB GPU. We get the output in the form of slide division, related sub-topics with the prompt, and the content under the sub-topic.

i. Before fine-tuning:

Before the fine-tuning of this model it required a large amount of memory access along with GPU but after loading the model gave different formats of

slides that was a difficult task to handle. After parameter tuning it improved a bit by 9/10 times giving the same format as output but still the difference of 1 affected the credibility of the product that even by multiple checks it wasn't giving desired format as output.

ii. After fine-tuning:

After the fine-tuning of this model, the results improved in such a way that it gave particularly the same output on the prompt that commanded it to generate content for slide formation because of the change we did in the dataset on which we trained the compressed model. We restricted the text generation model to a model that generates text but in a given number of slides generation format.

Text generated on art therapy:

What is Art Therapy?

Art therapy is a form of psychotherapy that uses art media as its primary mode of expression and communication. It is based on the belief that the creative process involved in artistic self-expression helps people to resolve conflicts and problems, develop interpersonal skills, manage behavior, reduce stress, increase self-esteem, and achieve insight.

Benefits of Art Therapy

Art therapy can help people to express themselves in ways that words cannot. It can help to reduce stress, anxiety, and depression, and can be used to explore emotions, improve self-esteem, and increase self-awareness. It can also be used to help people cope with trauma, grief, and loss.

2. STABLE DIFFUSION MODEL (Image generator):

2..1 Introduction of model:

This pre-trained model takes an input prompt in natural language, then extracts text tokens from it and generates images by using GANs (Generative Adversarial Networks). The diffuse model is designed to create images from scratch, starting up with

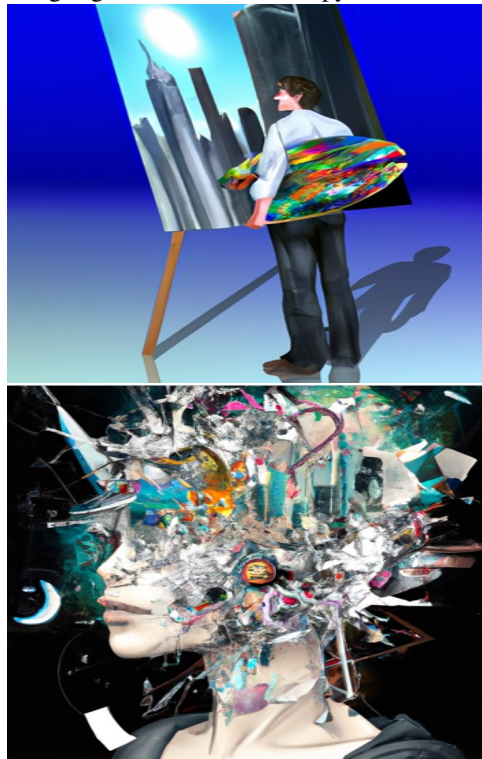
a noisy, blurry image and refining iteratively until we get a clear, concise, user-demand-reflective sharp image. This model based on learning over time gives different generated images even on the same prompt each time.

2..2 Architecture of model:

This model architecture involves a kind of diffusion model known as Latent Diffusion model. Latent diffusion models work on the generation of compressed images which is the key point of a stable diffusion model. Diffusion models are machine learning systems trained to denoise random Gaussian noise step by step, to achieve a sample of interest, such as an image.

2..3 Prompt Significance: The model has a hyperparameter called PROMPT on the basis of which a picture quality is adjusted. The more descriptive and to the point the prompt is, the better the image we will achieve. For this project, we somehow managed to fix some generalized terms in the prompt to make the model generate desired images. A good prompt observes adjectives, lens quality, and phrases to restrict the model and we can also provide it with various art types to generate an image on that specific art design e.g. (for technology related we wrote Digital Image).

Images generated on art therapy:



Images on ancient civilization:



3. TEMPLATE VARIATIONS:

3..1 Problem:

Some users do not want visuals in their presentation or somehow are willing to add their own statistics or visual representations.

3..2 Solution:

They can opt for this functionality and since there is no image generation in this so the product will be delivered in the quarter the original time.

3..3 Description of feature:

Template variation is a key component of this product, allowing users to select from a minimal artistic collection of innovative and attractive color-schemed backgrounds. These templates serve as a visually appealing canvas, displaying the title and description of the related topic on each slide. Users can easily customize these templates to match their brand identity or personal preferences. Our product adds an advanced template management system that offers a wide range of pre-designed layouts. Through user-friendly interactions, the platform allows users to toggle off the image generation module while retaining all other formatting options.

3..4 Tech involvement:

Two major components were involved in the modeling of this feature. Firstly, Background image templates were taken from Canva after diving into a search for a minimalist design approach as the beginning of the 21st century people are attracted to more minimal visuals. Our team kept in view the user's demand to provide them with the best. Secondly, the python-in built library python-pptx was used to design the layout on the background image for the placement of text and topic on each slide.

4.2. UNSUCCESSFUL:

1. Vicuna 13b and 7b:

In search of text generation models, we came through Vicuna 13b and 7b. The results of this model were approximately similar to the chat-gpt ones. With the prompt specification of slide generation, it properly gave a format that provides slide numbers and sub-topics with content but it took more time than the original chat-gpt model.

1..1 Hardware Configuration:

We conducted our experiments on a CPU-accelerated environment using Jupyter Notebook, from the Anaconda framework. Due to restricted resources, we turned our search for a text generation model that works on the CPU.

1..2 Results:

The results of this model when checked on an application were really up to the mark, on the prompt asking for data in a specific number of slides it generated the same format with relevant information but with an increase in seconds.

1..3 Drawbacks:

While doing research on Vicuna 13b we came across hardware requirements that stated that it needed a 16GB CPU acceleration to run this specific model but we were only able to have a 8GB CPU. Then we moved towards a smaller version, Vicuna 7b that was able to work on a 8GB CPU. When we downloaded that model it took around 3 hours for the model to load in the cache for our use, after a successful download when we loaded the model to make it available for use the pipeline library was unable to detect such a model. This yielded an outcome that was deemed unhelpful for text generation.

2. GPT NEO:

GPT-NEO is an advanced language model and text generation model that belongs to the Generative Pre-trained Transformer (GPT) family developed by OpenAI. It's designed to generate human-like text based on the input it receives. GPT-NEO is built upon a deep learning architecture called a Transformer, which excels in understanding and generating sequences of data, such as text.

2..1 Hardware Configuration:

We conducted our experiments on a GPU-accelerated environment using Google Colab. The use of GPU significantly speeds up the inference process and allows for real-time experimentation.

2..2 Parameter Tuning:

We focused on two critical parameters: 'temperature' and 'max_length'.

The 'temperature' parameter is used to control the randomness of the output generated by the language model. A higher temperature value (e.g: 1.0) makes the output more diverse and creative, as it allows for a greater degree of randomness. We set the temperature to '0.9' and that gave way better results with more innovation.

The 'max length' parameter is used to limit the length of the generated output. It specifies the maximum number of tokens (words or subwords) that the model can generate in a single response. This parameter is useful for controlling the length of the generated text to fit within a desired limit. If the model's output reaches the specified maximum length, it will stop generating further text. We mostly set maximum words more respectively to the number of slides.

2..3 Drawbacks:

This model generated good content and exact words mentioned in the maximum length. There were two main problems in this model: Firstly, it worked more like a sentence completion model and did not provide text in a good format, not even in a good paragraph form. Secondly, to complete the max length it stops randomly around any word without stopping on a logical completion. The prompt also is demanded in a more sentence format to continue with the same context whereas, our prompt style for slide generation is a topic on which the user demands a specific number of slides as a presentation.

3. Open Journey:

We used the "prompt hero/openjourney" model and the StableDiffusionPipeline to generate images based on textual prompts. Our goal was to achieve the best possible results while ensuring that the generation process remained feasible in terms of time and computational resources.

3.1 Hardware Configuration:

We conducted our experiments on a GPU-accelerated environment using Google Colab. The use of GPU significantly speeds up the inference process and allows for real-time experimentation.

3.2 Prompt Design:

We formulated two distinct prompts to guide the image generation process. The positive prompt, "A stunning landscape with vibrant colors, dynamic lighting, digital image, and incredible details," was designed to elicit images with rich visual elements. The negative prompt, "No text, clear and unobstructed view," aimed to suppress any unwanted text-based features in the generated images.

3.3 Parameter Tuning:

We focused on two critical parameters: 'num_inference_steps' and 'guidance_scale'. 'Num_inference_steps' parameter controls the number of optimization steps taken during the diffusion process. We experimented with different values to strike a balance between image quality and generation time. Higher values generally result in more detailed images but may lead to longer generation times. 'guidance_scale' parameter controls the influence of the textual prompt on the generated image. A higher value amplifies the effect of the prompt, potentially leading to more aligned outputs.

3.4 Results:

After thorough experimentation, we found that increasing the 'num_inference_steps' to 500 significantly improved the image quality. The generated images exhibited finer details and smoother transitions between colors and textures. However, it's important to note that this enhancement came at the cost of a longer generation time. On average, generating a single image required approximately 1 minute, which could hinder real-time or large-scale image generation applications. Moreover, increasing the 'guidance_scale' parameter also yielded positive results. Higher guidance scales

made the generated images more closely resemble the provided prompts. This was particularly evident in features like color patterns and visual concepts matching the input prompt.

3.5 Drawbacks:

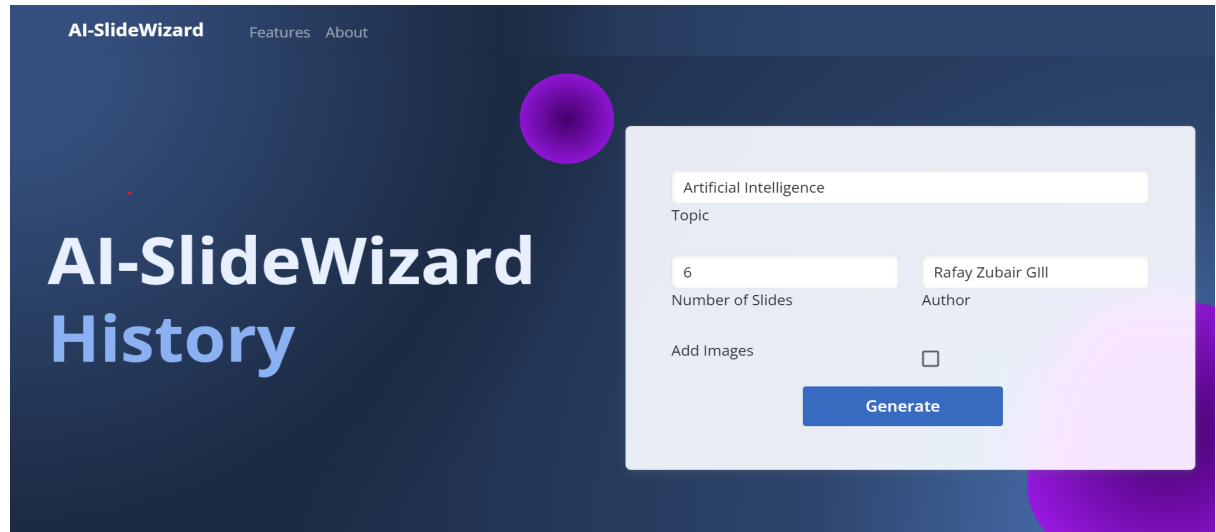
The 1-minute per image generation time was deemed impractical for our use case, where a quicker turnaround was essential. While the quality improvement was evident, it wasn't substantial enough to outweigh the time constraints. So, due to the extended generation time, we opted for a different approach in our project that could better meet our real-time image generation requirements.

5. Conclusion

A person has to start from a blank slide and put their ideas together in the form of text or images depending on the topic they are presenting. It's a hassle to make presentations from scratch. With the advancement of technology, there should be ease for everyone. This is the first project that works on image generation, text generation, and pre-templates altogether. We give the user a choice whether he wants his presentation to contain slides with images or he wants it to be a simple presentation without images having templates used in it of the user's choice. If the user does not like the template, he can generate the presentation with another template and the user can download it easily. Our approach's uniqueness provides users with a distinctive option: the ability to tailor their presentations by selecting between slides with incorporated images or a more streamlined version without visuals, supplemented by templates aligned with the user's preferences. This process is designed to be straightforward, ensuring that users can readily access and download their preferred versions. After the backend work, we worked for you to have ease to navigate to our innovative website, where creativity and functionality seamlessly intertwine to redefine presentation creation. As you arrive, you'll immediately notice a refreshing interface that depicts minimalism, modernity, and user-friendliness. The homepage proudly showcases a dynamic preview of what sets us apart: the fusion of image generation, text generation, and template versatility. Looking ahead, our next course of action involves refining and expanding the range of templates available to users, ensuring a diverse selection that caters to various presentation styles.

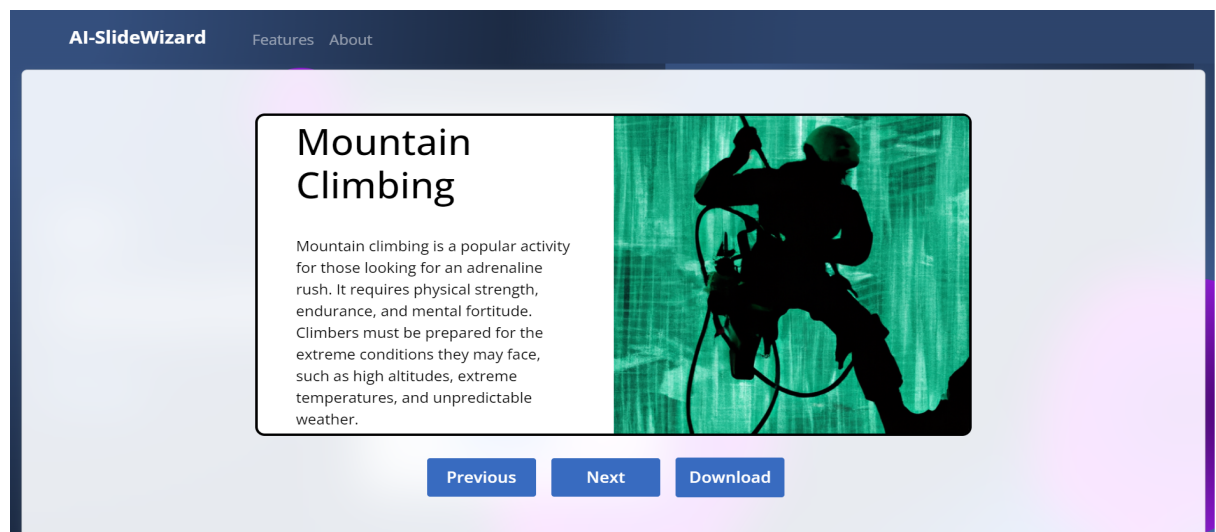
Please take a look at our Web page: URLtobeinsertedhere

The website interface looks like this:

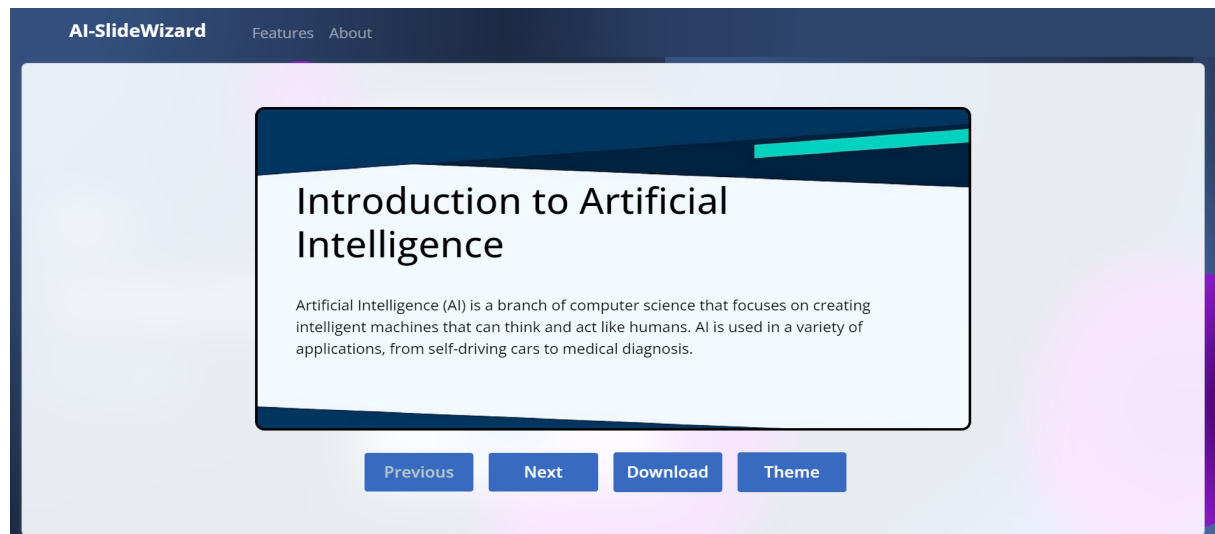


The image shows the AI-SlideWizard website interface. The header includes the logo "AI-SlideWizard" and links for "Features" and "About". The main content area has a dark blue background with a large white text "AI-SlideWizard History". To the right, there is a light blue form with the following fields: "Topic" (containing "Artificial Intelligence"), "Number of Slides" (containing "6"), and "Author" (containing "Rafay Zubair Gill"). There is also an "Add Images" checkbox which is unchecked. A blue "Generate" button is at the bottom of the form.

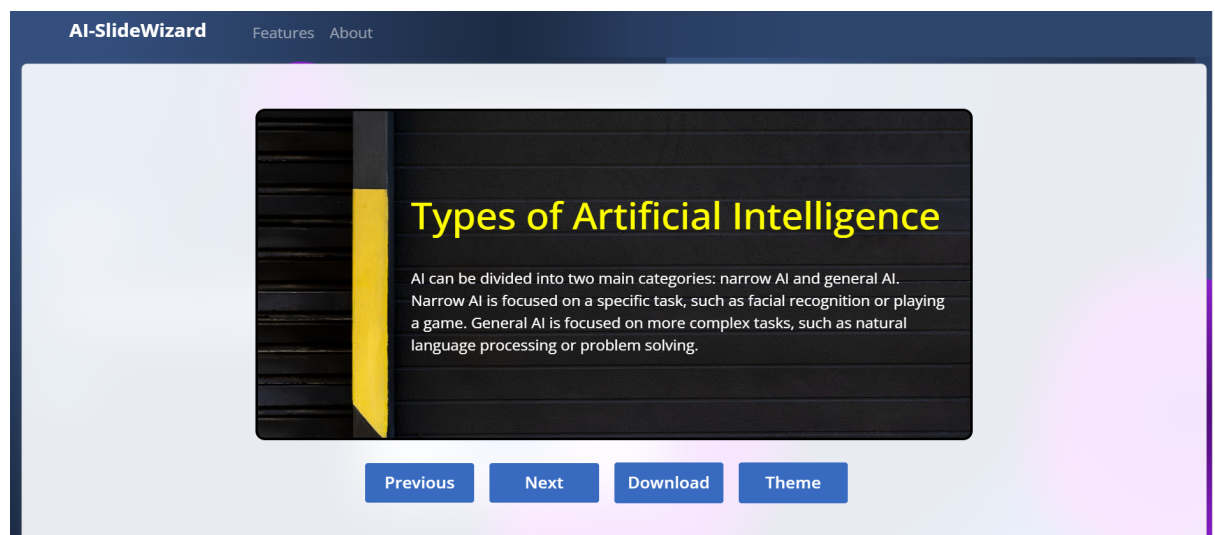
Following is the image showing the slide generated with image:



The slides with templates:



The other design:



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Declarations

Conflicts of interest

The authors declare that they have no conflict of interest.

Ethical approval

This article does not contain any studies on human participants or animals performed by any of the authors

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