

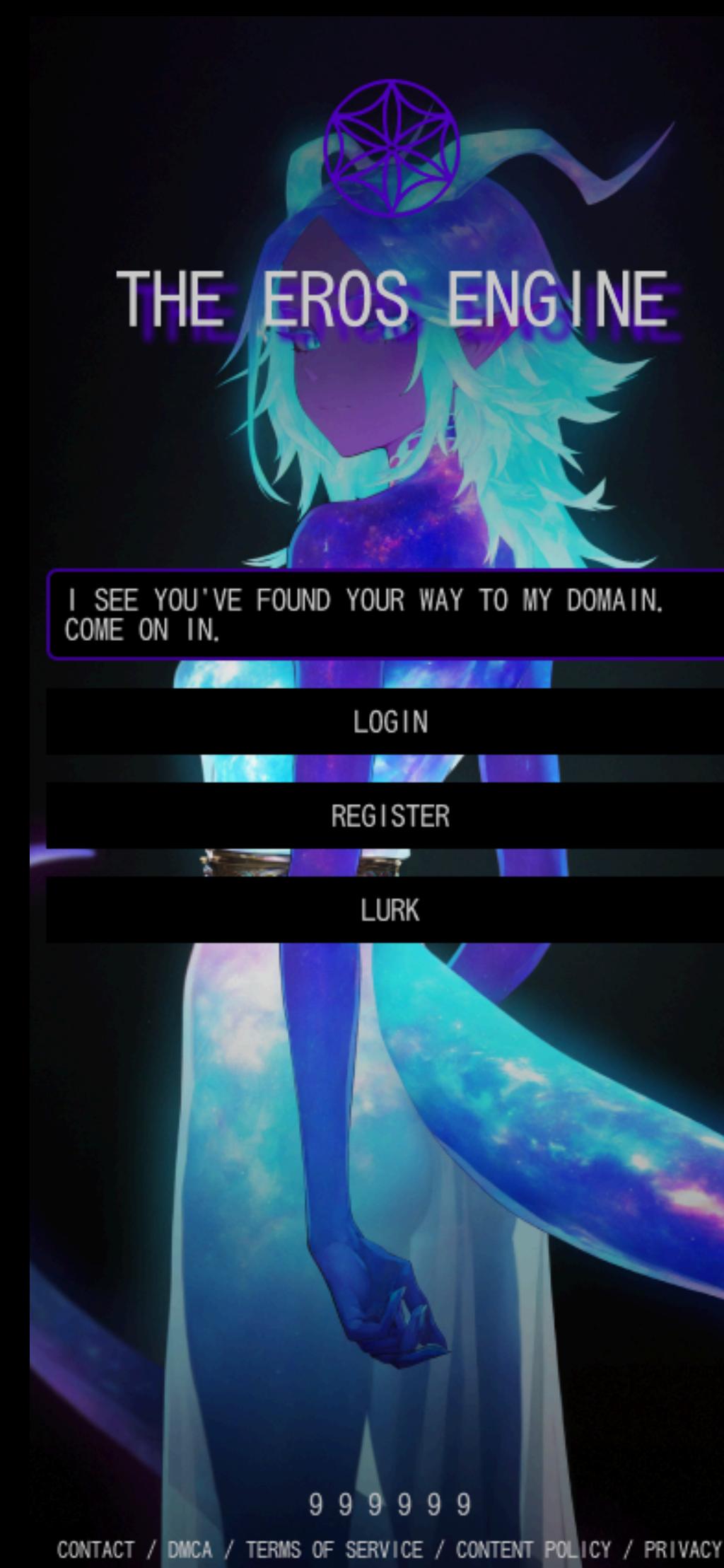


[ACCESS INTERACTIVE PROTOTYPE HERE](#)

OVERVIEW (1/2)

THE EROS ENGINE is an anime pornography website that uses recommendation engines and generative artificial intelligence (GenAI) to create a highly personalized experience. All images in the website are synthetic, being generated based on the users' preferences but without direct user control. It also features Aphrodite, a visual-novel inspired character whose appearance also transforms based on the users' preferences. An interactive prototype can be accessed [here](#).

The project is heavily data-oriented, utilizing two technical approaches: recommendation engines and generative AI. The first is an industry-standard recommendation system that analyses user behaviour to generate preference profiles, enabling more relevant content delivery. The second is the application of LoRA (Low-Rank Adaptation), an AI fine-tuning technique. When applied to large open pretrained image generation models (e.g., Flux and Stable Diffusion), LoRA enables fine-grained control at relatively low cost (Civitai's images cost 0.02-0.50 USD each). As few as 20 reference images are sufficient to create a specialized LoRA.



LANDING PAGE

OVERVIEW (2/2)



INNER SANCTUM

By interacting with the website, users create data about their preferences. These data can be used both for recommending relevant content and also for bespoke image generation. The website trains LoRAs of traits (such as style, character and poses), which can then be combined into a user's specific taste. Most of the images served are algorithmically chosen from an archive of previously generated images; some, however, are generated specifically for that user. These then feed back into the general archive, with extended metadata annotation.

The intended "user fantasy" of the website is a) the experience of "letting go of control", consenting, relaxing and trusting, and then b) being rewarded for it by receiving what you are looking for without having to ask. This can be framed in a sensual way through the character Aphrodite, leading to an unique experience.

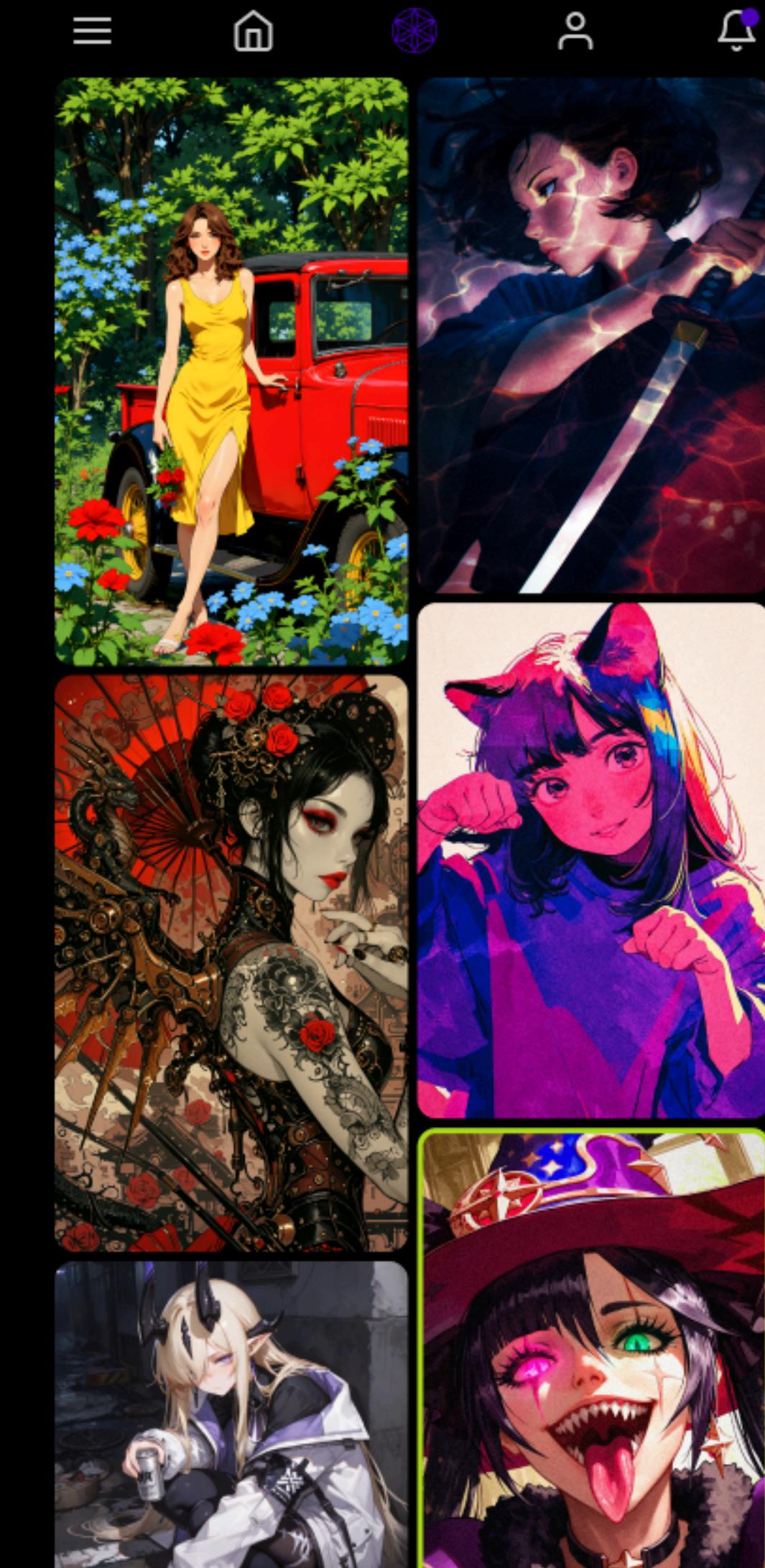
BACKGROUND

Illustrations generated using AI models have become highly sophisticated and relatively accessible. Websites like [Civitai](#) offer the ability for users to employ LoRAs in image generation which is responding to the increasing demand for synthetic pornography. We assume that most users would prefer a simplified interface over learning the intricacies of machine learning. This means there is a gap in the market for a anime-focused generative AI with a streamlined interface and a hands-off approach.

This project touches on several complex and controversial issues, such as pornography, copyright, fetishes, generative AI art, and recommendation algorithms. It attempts to be mindful of data ethics concerns by having a commitment to privacy and enforcing consent for data collection. It subverts the use recommendation algorithms - which are usually used in exploitative ways for maximizing advertisement revenue - by recommending content that the user is actually interested in. However, it must be conceded that this project fundamentally depends on the exploitation of artists whose work was used to train the underlying models. This is mitigated by avoiding generation of realistic content and also of specific artists' styles.



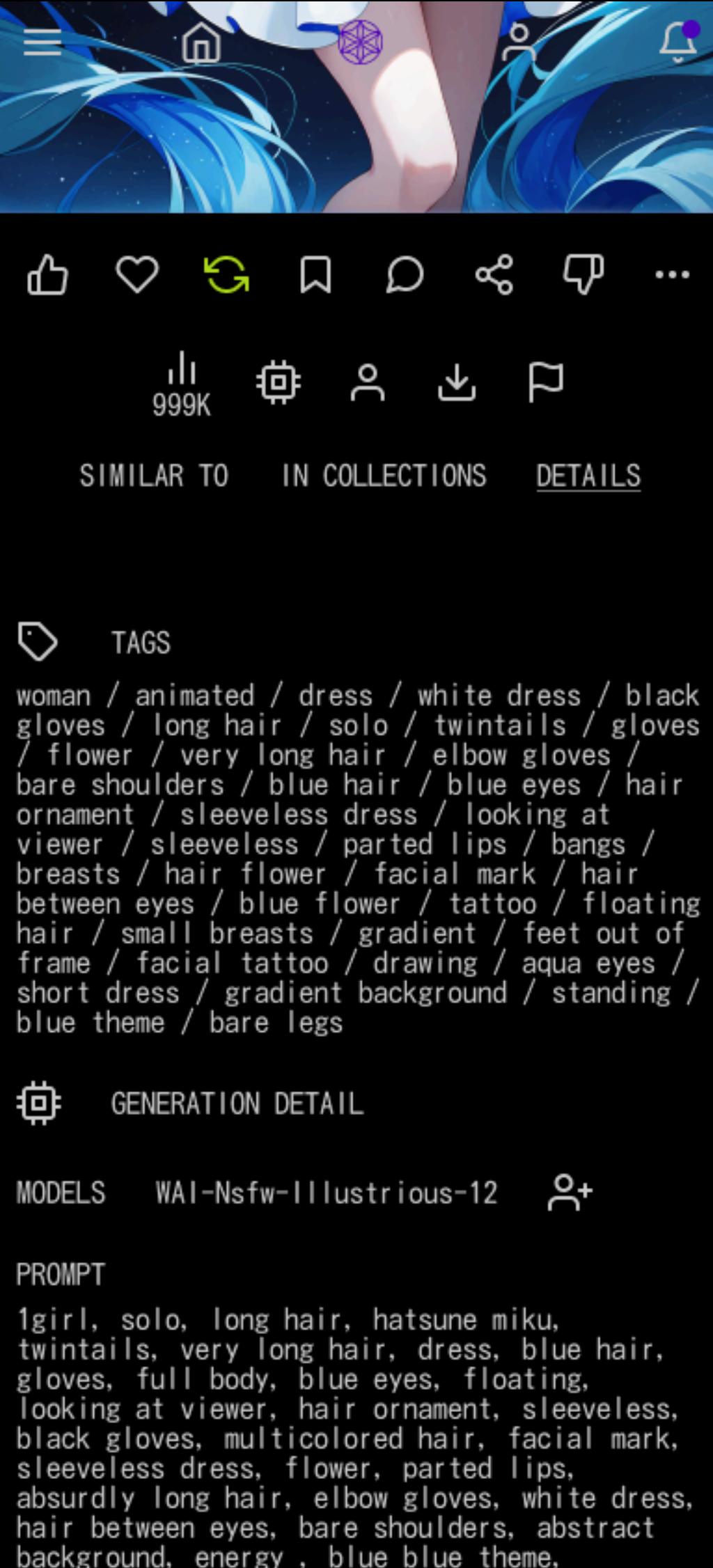
MAIN PAGE (1 COLUMN)



MAIN PAGE (2 COLUMNS)



SELECTED IMAGE



OBJECTIVES

1. Create a streamlined experience differing from existing websites that focus on hands-on image generation ([Civitai](#)).
2. Develop a sleek, modern interface (e.g., [Pinterest](#), [Scroller](#)) instead of manual tag search ([rule34](#), [danbooru](#), [e621](#)).
3. Leverage recommendation engines ([TikTok](#), [Pornhub](#)) for personalization.
4. Implement ethical data practices regarding privacy and data collection.
5. Integrate the technical aspects of personalization and data security with the sensual aesthetics of privacy, consent and secrecy; integrate the technical aspects of recommendation and generation with the sensual aesthetics of exploration of desire, trust and loss of control.
6. Create an unique artistic experience by framing the engine as a character the user can interact with, and is transformed by their preferences.

METHODS

This project involves web development, UI/UX, GenAI techniques, recommendation engines and data ethics. For research into these topics, methods used include:

Archive

Images were collected from Cividai, selected from model developers' showcases and highest-reaction content. Images were chosen to demonstrate use cases, different styles, model characteristics, and artistic merit. No realistic images were included. (See appendix B).

Design Thinking

Considering demographics, user journeys, user preferences (mostly young, 90% mobile devices) to combine the website's concept with users cultural background, needs and desires. This is complimented with data disclosed by companies like PornHub and Cividai. (See appendix C). By doing this, we can investigate the experience of using these websites. For example, is this lived experience understood in terms of consuming images, relating to characters, participating of a community, collaborating with artists, etc? Other methods such as culture probes, focus groups and netnography could be used for similar purposes.

Visual analysis

The visual design communicates intimate luxury combined with sleek technological appeal using a simple palette of pure black backgrounds and saturated accents (purple, red, yellow). The futuristic font (_Kosugi_) and minimalist icons were chosen with the same purpose.



HOME

ACCOUNT SETTINGS

UPGRADE ACCOUNT

ERASE ALL DATA

CREATOR ACCOUNT

SWITCH
PROFILES

DEANONYMISE ACCOUNT

LANGUAGE

NOTIFICATIONS

BLOCKED TAGS

PAYMENT

RESET PASSWORD

APHRODITE

PROFILE

LIKED

LOVED

COLLECTIONS

FOLLOWING

PREMIUM

SEARCH

TAGS

GENERATE

LORAS

QUICK SETTINGS

SETTINGS

TERM OF SERVICE

PRIVACY POLICY

ABOUT

SETTINGS PAGE

SETTINGS OVERLAY



MY PROFILE



EMBRACE YOUR RIGHT TO SEEK
WHAT DELIGHTS YOU.

MY COLLECTIONS

LIKED

FAVOURITES

PROFILE PAGE

CONCLUSION

The Eros Engine is a novel intersection of generative AI, algorithmic feeds and anime pornography. By utilizing cutting-edge fine-tuning techniques, the platform creates a unique user experience that emphasizes the sensation of relinquishing control to an algorithm which was designed the users' pleasure as primary concern. This approach not only addresses market gaps between technical image generation sites and traditional content repositories but also attempts to balance data ethics, erotic aesthetics and a streamlined and personalized user experience.

APPENDIX A: ARCHIVE

Collected from Civitai and archived on Pinterest. Part of a larger (250+ items) collection. Access here:

ARCHIVE: DESIDERATA

APPENDIX B: DOMAIN RESEARCH

Successful porn websites

- [Pornhub](#)
- [XVIDEOS](#)
- [xHamster](#)
- [XNXX.COM](#)

Hentai imageboards

- [Rule 34](#)
- [Kemono party](#)
- [E-hentai](#)
- [E621](#)
- [Furaffinity](#)
- [Gelbooru](#)
- [Rule34 paheal](#)
- [Danbooru](#)

Image-oriented social media

- [Civitai](#)
- [Scrollers](#)
- [Pinterest](#)
- [Deviantart](#)
- [Tumblr](#)
- [OnlyFans](#)

Other related content

- [pixiv](#)
- [Projekt Melody](#)
- [Four Chambers](#)
- [eevee](#)
- [Hades](#)
- [Heaven Will Be Mine](#)

Data reports and transparency

- [2024 Year in Review - Pornhub Insights](#)
- [Civitai 2024 Transparency Report](#)
- [Analysis of +9,000 Hours of Porn](#)

Data ethics

- [Code of ethics: "Are We Art Yet" Collective](#)
- [E621 on age verification](#)
- [Pornhub Recommender System Guidelines](#)

