ARTISIGHT

A Personalized AI Photo Critique Platform

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Group 12

PROBLEM

Photographers, especially beginners and those in remote areas lack access to consistent and quality feedback.

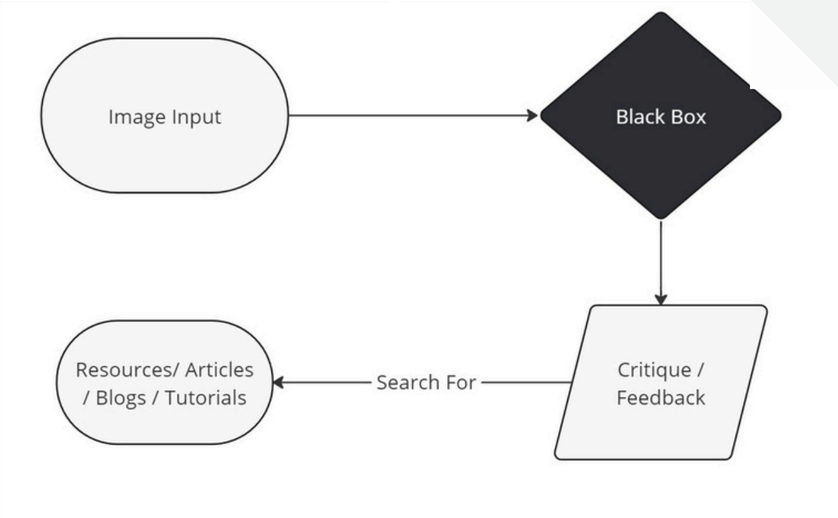
Existing platforms like social media or photo-sharing sites offer limited and often subjective feedback.

INTRODUCTION

ArtiSight is an AI Photo Critique Assistant utilizing Large Language Models (LLMs) to analyze and critique photos.

It offers objective and specific feedback on aspects like composition, lighting, color, and subject matter.
ArtiSight stands out by providing actionable insights and personalized learning recommendations.

HOW ARTISIGHT WORKS



- **Photo Upload:** Users easily upload their photos to the platform.
- **Photo Analysis:** LLMs analyze the photo based on various photographic elements.
- **Critique Generation:** The system generates a structured and easy-to-understand critique.
- **Resource Recommendations:** Personalized learning resources are suggested based on the critique.

ARTISIGHT ARCHITECTURE

User Interface: A user-friendly interface for seamless interaction.

ML Model Server: Processes photos and generates critiques using LLMs.

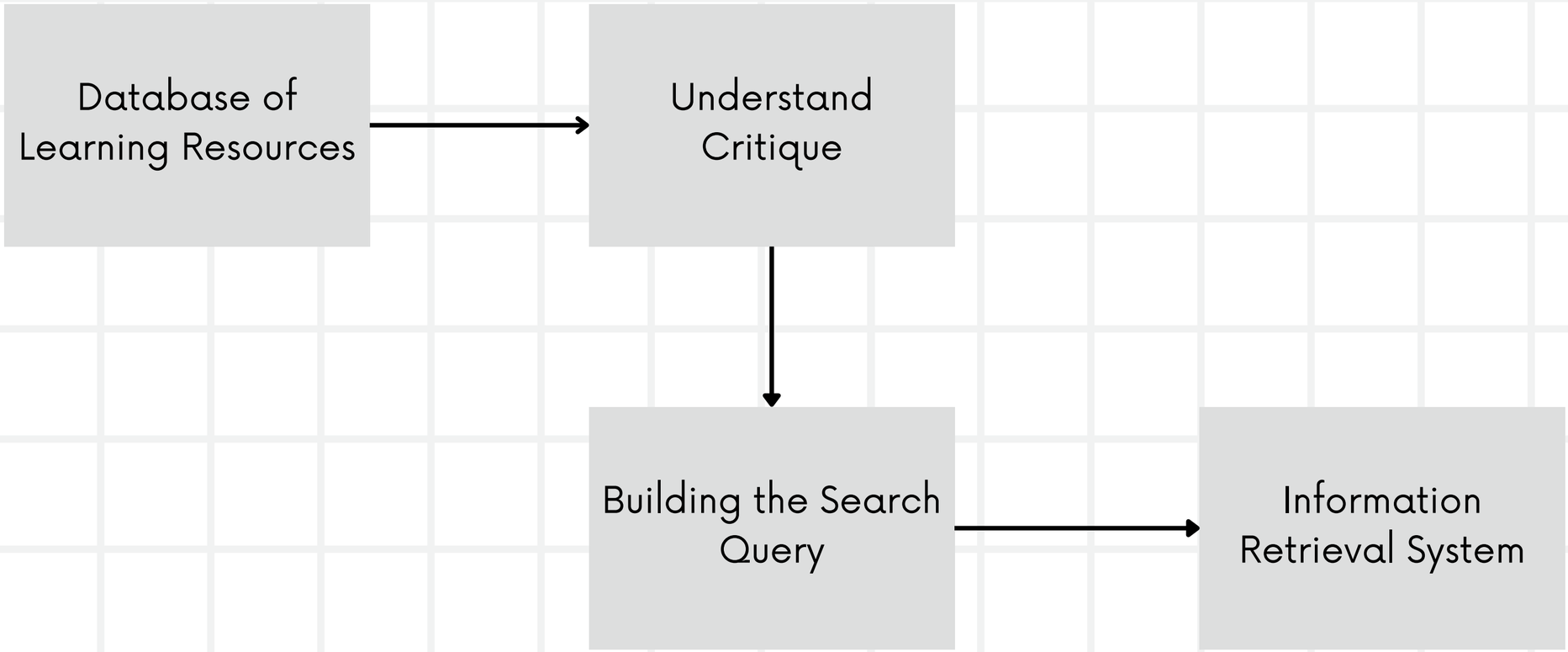
Resource Database: Extensive collection of learning materials.

Retrieval System: Recommends relevant resources based on the critique.

METHODOLOGY

DATA & TRAINING	**LLMs are trained on a combined dataset of PCCD and RPCD, containing over 78,000 images and critiques.**
RESOURCE RECOMMENDATION	**Leveraged information retrieval and NLP techniques to suggest relevant learning content.**
INTERFACE DEVELOPMENT	**High-fidelity prototype designed for user-friendliness and accessibility.**

RESOURCE RECOMMENDATION



EVALUATION & RESULTS

User surveys indicate 85% satisfaction with ArtiSight's critiques compared to traditional methods.

Engagement with recommended resources increased by 50%, demonstrating the effectiveness of personalized suggestions.

CONCLUSION & FUTURE WORK

- ArtiSight offers a transformative approach to photography critique and education.
- Future development includes enhanced interactivity, real-time feedback adjustments, and a more dynamic resource recommendation system.

THANKYOU

Github Link | Platform Link

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