

THE SOLUTION

- Intelligent Q&A System powered by LLMs for real-time support.
- Enhanced metadata generation for streamlined search.
- Optimized classification models for improved accuracy.

**THE VALUE YOU NEED,
THE IMPACT YOU WANT.**

THE VALUE

- Quick access to historical documents and media for researchers.
- Effortless browsing of NYC landmarks and cultural artifacts for patrons.
- Streamlined operations and better user assistance for NYPL staff.

LEAD BY

Prof. Jean-Claude Franchitti
**Clinical Associate Professor of
Computer Science**

NYU Courant
jcf@cs.nyu.edu

Eric Shows
Assistant Director
Digital Collections Services
Digital Research
The New York Public Library
ericshows@nypl.org



TEAM CONTACT

Tanmay Khandelwal
tk3309@nyu.edu

Rahul Singhal
rs8960@nyu.edu

Simon Zeng
sz4559@nyu.edu

Fei Wang
fw799@nyu.edu



NYPL
DIGISUITE



New York
Public
Library



CONTEXT & BENEFITS

FOR CLIENTS

- **Easy Access:** Seamless search with intelligent Q&A.
- **Better Discoverability:** Enhanced metadata and alt-text improve resource access.
- **User-Friendly:** Navigate archives effortlessly without technical expertise.

FOR NYPL

- **Efficiency:** Automates metadata and reduces manual work.
- **Engagement:** Boosts user traffic with improved tools.
- **Growth:** Enhances recognition and funding opportunities.

BUSINESS BENEFITS

RESEARCHERS

Access to organized, searchable archives for academic purposes.

PATRONS

User-friendly tools for exploring cultural heritage.

STAFF

Automation and precision in managing collections.

STUDENTS

Easy-to-navigate resources for academic research and projects.

IMPLEMENTATION

- Integration of LLMs for improved information retrieval and extraction from library collections.

NYPL Chatbot

I am ready. Please ask me anything!

Who was the designer of the theme building?

I found a collection that might help: NEW YORK WORLD'S FAIR 1939 AND 1940 INCORPORATED RECORDS. Would you like me to search in this collection? (yes/no)

yes

Helpful Answer: The designer of the Theme Building at the New York World's Fair 1939 was Mr. Henry Dreyfuss.

PLAN

- Expand contextual enrichment for metadata.
- Develop dynamic pipelines for real-time collection updates.
- Integrate multimodal fusion for richer context in alt-text generation.



**EXPLORE THE FUTURE OF
DIGITAL COLLECTIONS!**