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Connecting the Dots

Enhanced Data Discovery and Building Trust
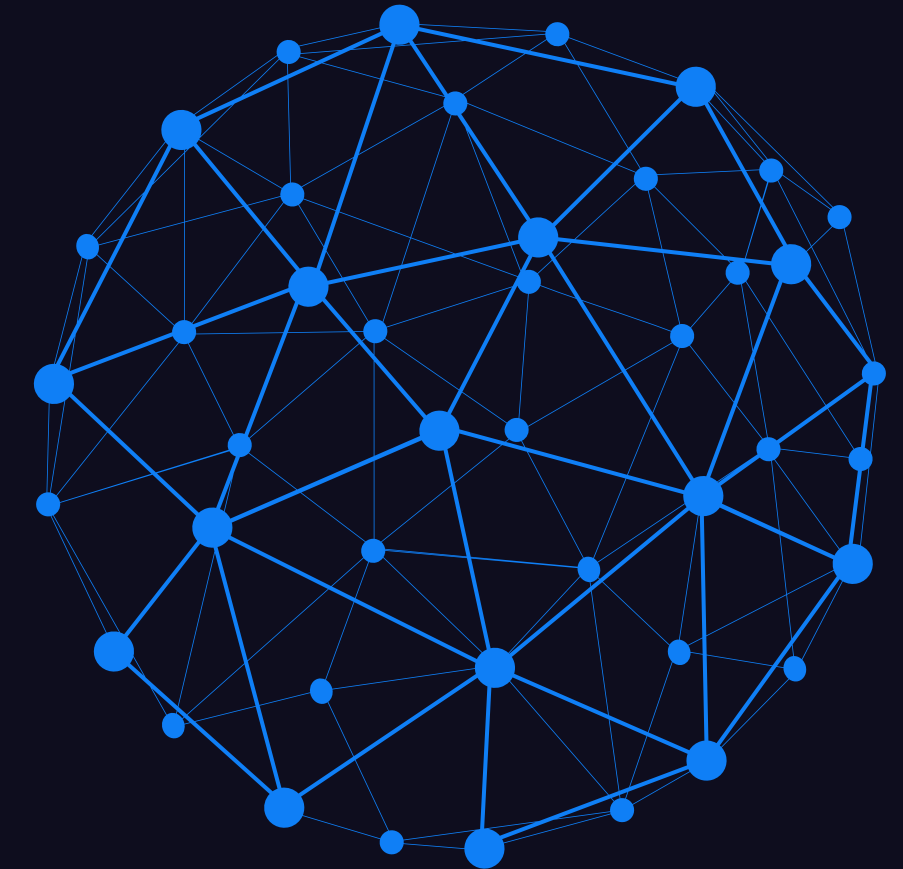
GSA Hackathon

July 31, 2024

Presented by:

July 2024

Kanishk Patel
Deep Gandhi

"Propose a solution to optimize your assigned federal government website that will ensure LLMs generate reliable, authoritative answers from its content while continuing to meet individual user needs and expectations."

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Federal Websites: A Wealth of Information, But...

Traditional search and navigation methods are struggling to keep up with the demands of AI-powered language models (LLMs).

Reliability

LLMs often generate unreliable answers from federal websites.

Accuracy

Users struggle to find accurate, trustworthy information.

Trust

This erodes public trust and hinders decision-making.

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Revolutionizing Access to Government Data:
A Trusted, Transparent, and Tailored Solution

Our solution leverages the Data.Gov API and Tally Chat's architecture to transform federal websites. By grounding LLM-generated answers in reliable data, providing transparent access to sources, and offering flexible interaction tailored to diverse users, we empower everyone with the information they need.
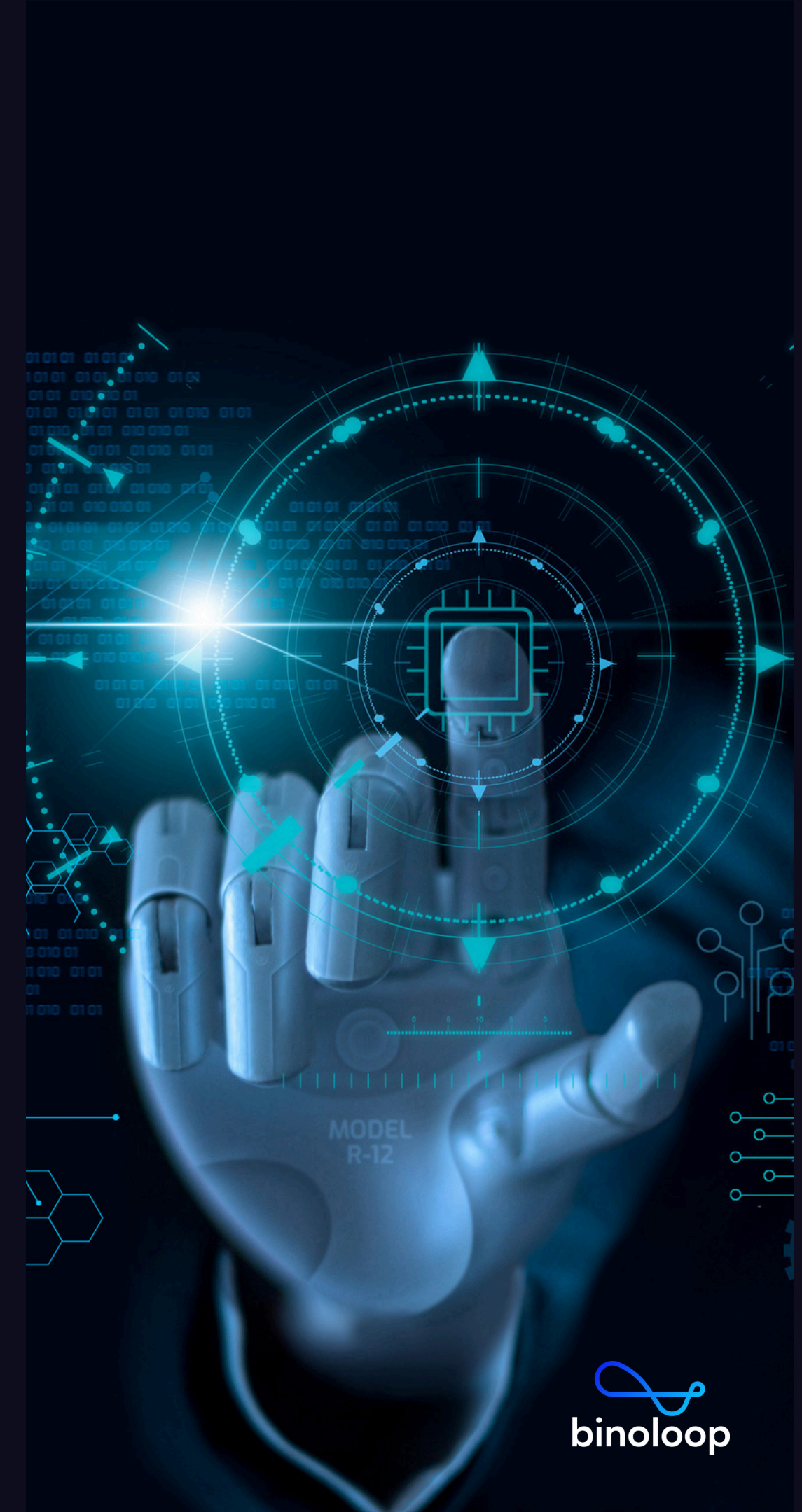
Eliminate Misinformation

Ensure LLM responses are grounded in verified government data.

Traceability.

Provide direct links to source datasets for transparency and trust.

Adaptability.

Offer both chat-based interaction and direct dataset access to meet diverse user needs.

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Our Approach

Chatbot with Embedding Projector

Chatbot

- Use Data.Gov API to retrieve dataset information
- User can communicate with the chatbot to see datasets
- Chatbot acts as misinformation avoidant bot
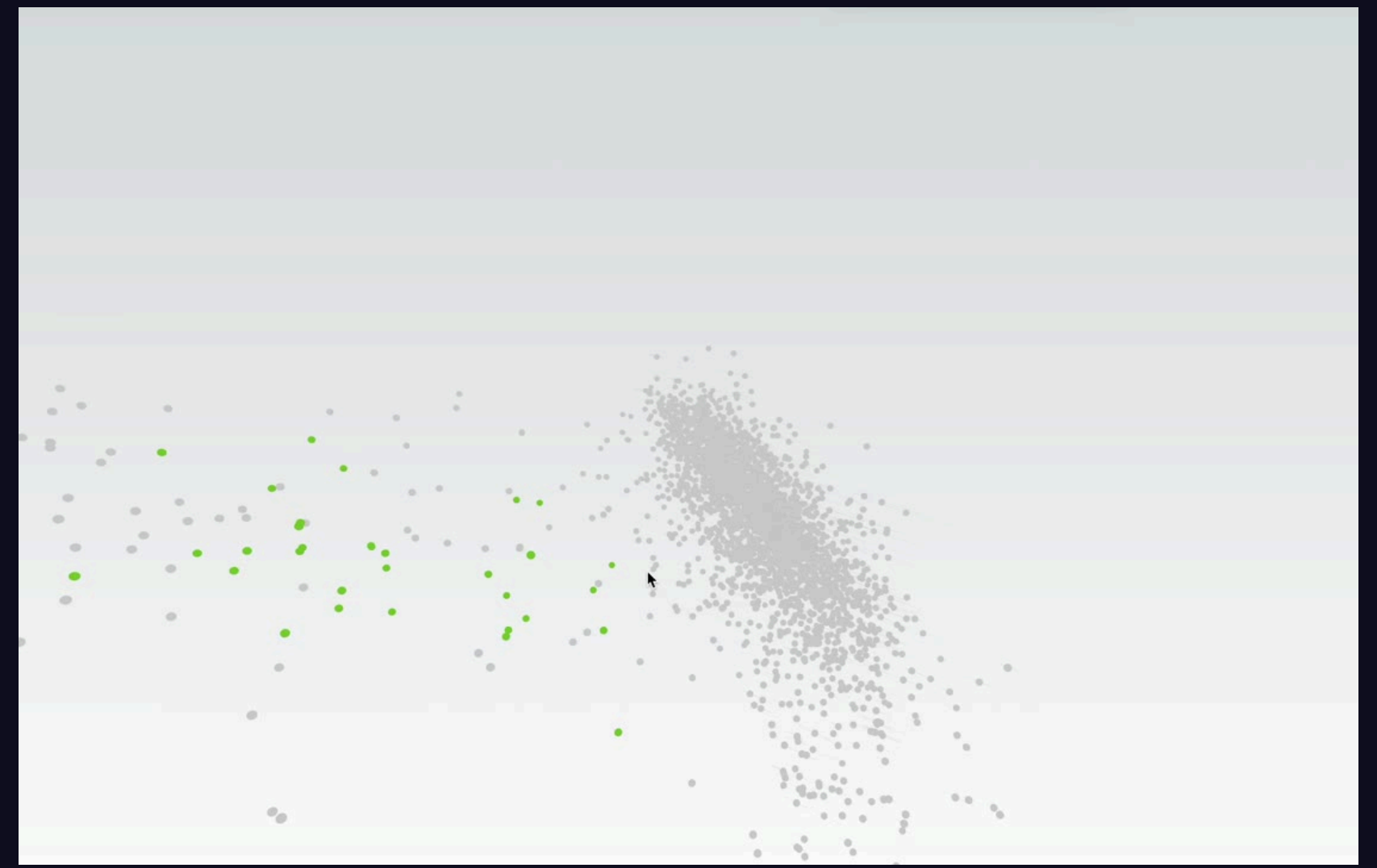
Embedding Projector

- Use Data.Gov API to retrieve dataset information
- Connect different datasets to each other
- Easy to access datasets that are related to one another

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App Design

Link to app here

Example of dataset relationship diagram

KNN type 3D graph to show relationships within datasets
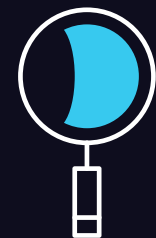
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Let's Talk

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