Script of the demo video:

Scene 1: Introduction (0:00 - 0:30)

Title card: "Hyperlink Tracker - A Chrome Extension with Native Messaging"

Short intro music

Narrator: "In this video, we'll demonstrate a Chrome extension that tracks hyperlinks on visited web pages and stores the data in an SQLite database using native messaging."

Scene 2: Chrome Extension Functionality (0:30 - 1:30)

Show the Chrome extension icon being added to the browser toolbar.

Open a new browser tab and navigate to a sample website (e.g., news website).

Simulate scrolling through the webpage to highlight dynamic content loading (optional).

Narrator: "The extension monitors all visited web pages. As you browse, it captures hyperlinks, including those loaded dynamically."

Scene 3: Popup Window (1:30 - 2:00)

Click the extension icon to open the popup window.

Show the popup displaying statistics:

Total visited sites

Total hyperlinks tracked

Narrator: "The extension provides a quick overview of your browsing activity. It displays the total number of visited sites and the total number of unique hyperlinks encountered."

Scene 4: Show More Details (2:00 - 2:30)

Click the "Show More Details" button on the popup window.

A new tab opens, displaying a Chrome extension page with a table.

The table shows detailed information:

Visited website hostname

Individual hyperlink URL

Number of occurrences (how many times the link was encountered)

Narrator: "Clicking 'Show More Details' opens a dedicated page that provides a breakdown of the tracked hyperlinks. You can see the individual URLs encountered on each website and how many times each link appeared."

Scene 5: Background Process (2:30 - 3:00)

Switch to the background (optional):

Show terminal window on a different machine (or split-screen)

Briefly showcase the Python script running and receiving messages from the Chrome extension.

Narrator: "Behind the scenes, the Chrome extension utilizes native messaging to communicate with a Python application running in the background. This application manages an SQLite database, storing the hyperlink data for persistence."

Scene 6: Conclusion (3:00 - 3:15)

Briefly revisit the Chrome extension page showing hyperlink details.

Narrator: "This Chrome extension with native messaging demonstrates a way to track hyperlink data across browsing sessions, providing insights into your browsing behavior."

Call to action (optional): Include links to the code repositories (if publicly available).

Scene 7: Outro (3:15 - 3:20)

Outro music and title card with project name and credits (if applicable).