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Session Recordings

Speakers, hit the red/blue button!

Attendees, remind speakers about the record button!

All recorded sessions will be available online on the DrupalYOW youtube channel.

ChatGPT OpenAI

Integration

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HELLO!

I am Salman Jaffery

Senior Developer at Coldfront Labs

You can find me at @sjpeters79 on drupal.org

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MAIN AGENDA

- Understanding AI and how it works
- How to integrate it with Drupal
- Future

Understanding AI

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Can Machines Think?

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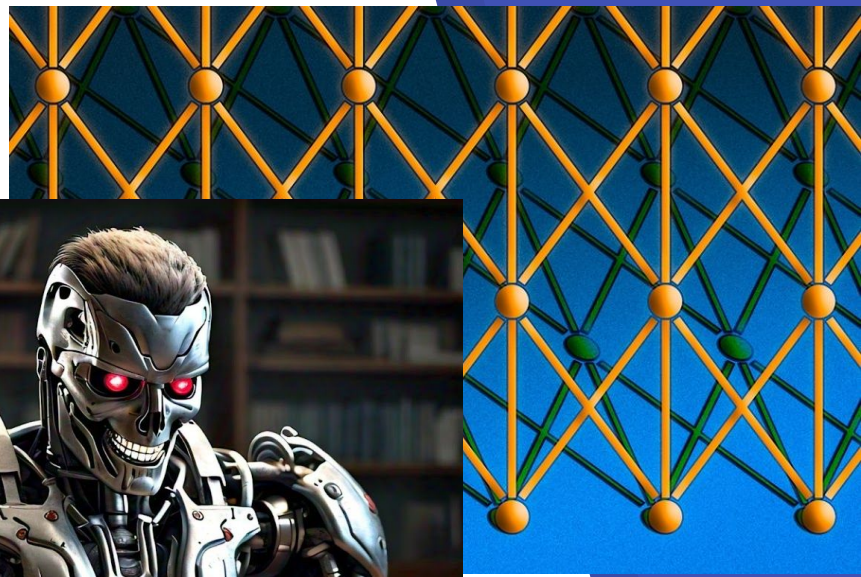
Organic To Mechanical

Neural Networks

- Structure and Neurons
- Layers
- Training and Learning



Large Language Model (LLMs)

- What are LLMS?
- Training and data
- Capabilities
- Advantages and disadvantages
- The Future

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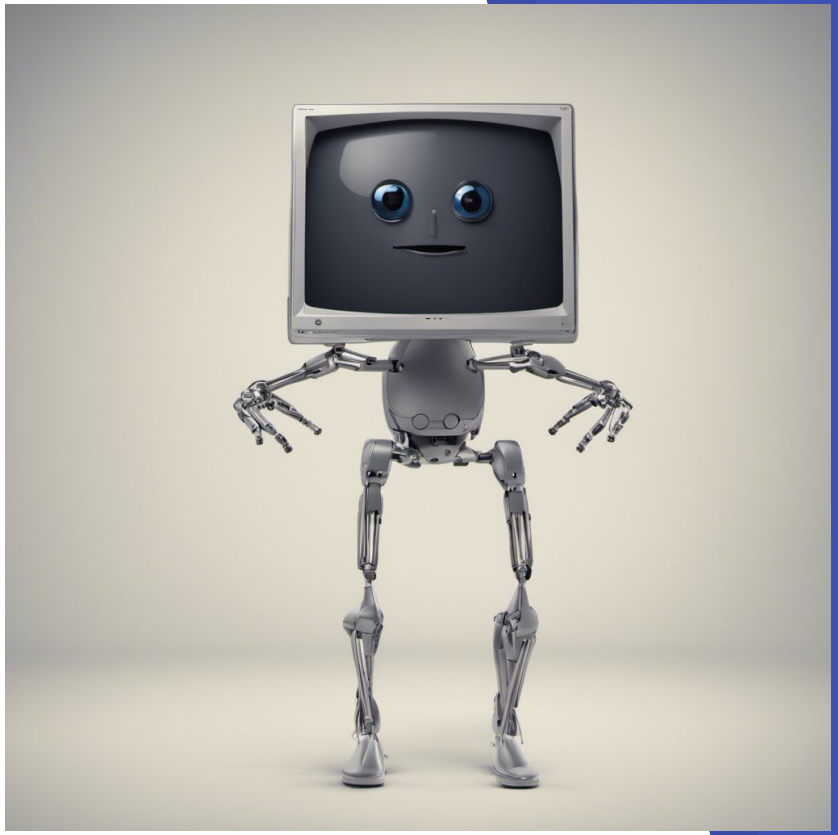
Integrating with Drupal

AI Interpolator

The idea of the AI Interpolator module is very easy - take one field and create a result using AI or other modifiers into another type of field. One simple example is to summarize a long text or create an image from a text area with a description.



https://www.drupal.org/pr

OpenAI/Chat GPT Integration

OpenAI / ChatGPT Integration

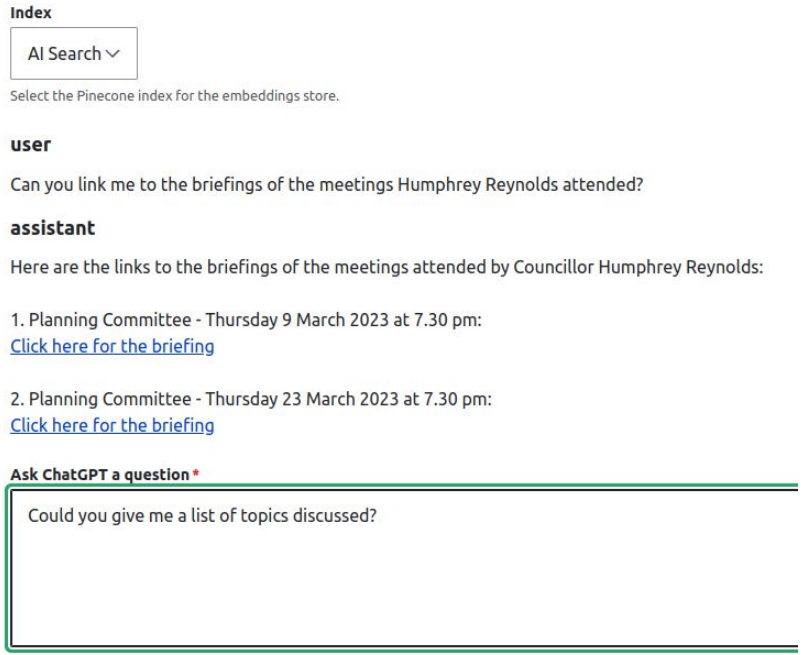
View | Version control | Automated testing

See ----> AI Initiative

Most new development and additions will be happening at the new AI module, a one stop solution and framework for all things AI in Drupal. Many of the features from this module have been incorporated into the dev and alpha builds. These features work with most major providers, not just OpenAI, so you can use the features you have come to love with more than one provider. We thank everyone for their continued support!

https://www.drupal.org/project/openai

Search API AI



https://www.drupal.org/project/search_api_ai

OpenAi Initiative

OpenAI / ChatGPT

View Version control Auto

See ----> AI Initiative

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provider. We thank ev

Index

AI Search

Select the Pinecone index for the embeddings store.

user

Can you link me to the briefings of the meetings Humphrey Reynolds attended?

assistant

Here are the links to the briefings of the meetings attended by Councillor Humphrey Reynolds:

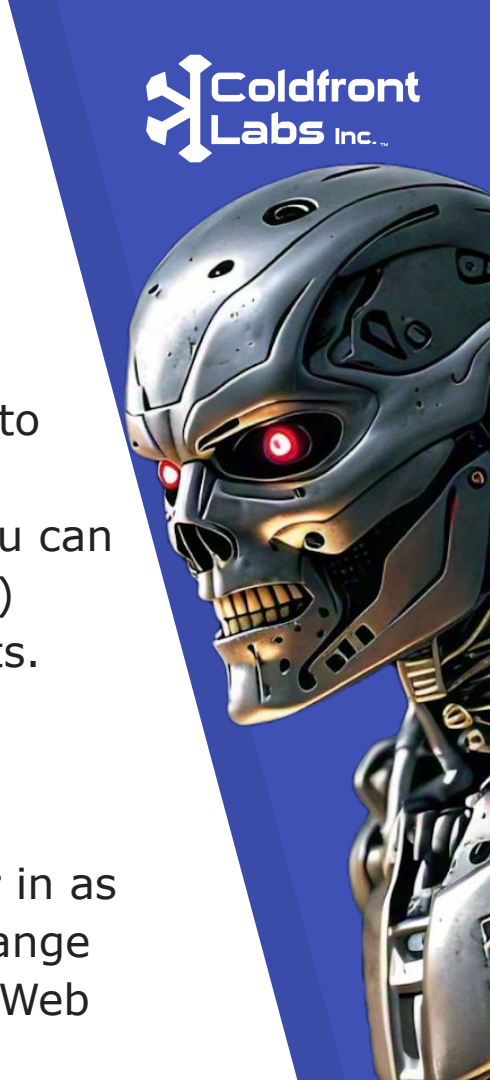
1. Planning Committee - Thu ay 9 March 2023 at 7.30 pm:
Click here for the briefing

DrupalAI

https://www.drupal.org/project/ai

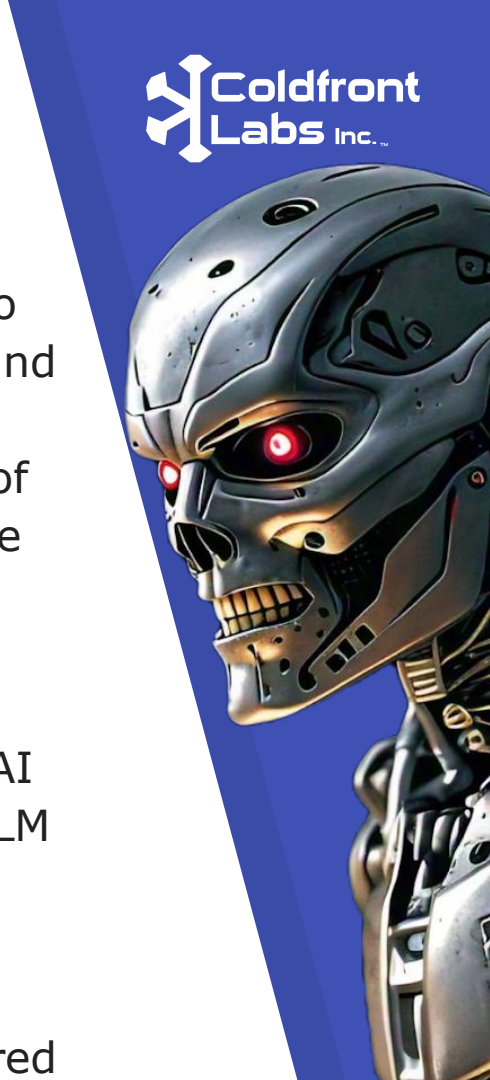
OpenAi Initiative (modules)

- **AI Core**:- The AI provider provides access to all the common models and be extendable to any model required. Modules and recipes using this will be able to swap out any model they need.
- **AI Explorer**:- This is an area in the admin where you can explore text generation capability and ask it (prompt) whatever you like. An ideal place to test your prompts.
- **AI Automators**:- Use Automators to populate and change any field in Drupal. This quickly becomes the starting point to create complex and meaningful AI applications where prompts can be changed together in as simple or complex a workflow as you need. A huge range of Automators are provided including using AI LLMs, Web scraping , OCR file extraction. This can be extended



OpenAi Initiative (modules)

- **AI CKeditor**:- Provides a AI assistant in CKEditor 5 to send a prompt , do spelling corrections, translations and more.
- **AI content**:- Adds assistive tools for different areas of the content editing process. It allows you to adjust the tone of the content, summarise body text, suggest taxonomy terms for nodes, and checks content for Moderation violations.
- **AI external moderation** - Enables you to use OpenAI moderation tool before calls from any (non OpenAi) LLM provider.
- **AI logging**:- Enables you to log any AI request and response.
- **AI translate**:- Provides a simple -one click- AI powered



OpenAi Initiative

AI Providers (out of the box)

- **Anthropic**
- **Groq**
- **Huggingface**
- **lmstudio***
- **Mistral**
- **Ollama***
- **Openai**

Drupal RAG Integration Module

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This Drupal module integrates with the FastAPI RAG server, providing a form where users can submit questions directly from the Drupal admin toolbar and see responses generated by the system.

It also trains the chatbot with Drupal database and continue to do so with every update to Drupal system.

https://github.com/saxenaakansha30/drupal-rag-integration-module

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LIVE DEMO

Bring on the machines.

Useful resources

Drupal

drupal.org

Slack

https://www.drupal.org/slack

Official drupal slack channel (anyone can join)

YOWDEV (Ottawa specific developer slack channel; invite only)

DrupalYOW

https://www.meetup.com/drupalyow/

Every month, join local Ottawa developers, project managers, site builders and owners to discuss all things from Drupal and web development to project management and project success stories.

DrupalYOW Youtube Channel

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