Pummit

Challenge B

Agenda
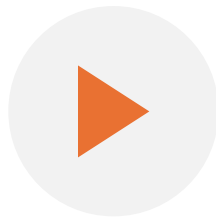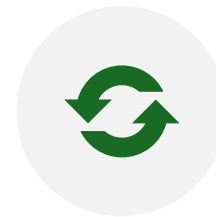
TEAM

PROJECT GOAL

OUR IDEA

WHAT WE ACHIEVED?

CHALLENGES

DEMO

HOW WE WOULD CONTINUE?

Team

- We are from Hervanta
- Team name:
  - Pummit
- Members:
  - Jannaten
  - Rami
  - Mohammed

Project goals

- Primary Goal: Assess how agricultural events align with the current CAP plan and identify areas for improvement

- Supporting Goals:
  - Event Analysis: Categorize events based on CAP themes such as sustainability, technological development, and rural vitality
  - Stakeholder Insights: Understand how different stakeholders contribute to CAP goals through events
  - Future Planning: Provide recommendations for future event topics to ensure alignment with CAP objectives and upcoming trends

Our Idea

- Clean the data

- Upload the data to some database (mongoDB or postgresql)

- Divide the project to frontend (react or next js)

- Backend (node.js or spring boot)

- Adding the search bar functionality to search throw data from the database

- Using AI to analyze the data and display the result

What we achieved

- Connect the frontend with the backend
- The AI model in integrated with backend
- The csv file is read directly (not from DB)
- Endpoints powered by openai API

Challenges/problems

- Clean the Data: Preprocess the data by removing duplicates, handling null values, validating field formats

- Load the CSV file to the database: Parse the CSV file efficiently and populate the database

- Using the LLM to Analyze the data with more accuracy

- Training the model

Demo

How would we continue?

- Study more about the project's technologies
- Cleaning the data
- Database Integration with PostgreSQL
- Containerized the App
- Enhanced AI Analysis Capabilities
- Advanced Data Visualization Features
- Better train the model with up to date