

SafeBite

JHU HACKATHON

The Problem

Foodborne diseases impact millions each year, causing severe health risks and economic losses. Often, outbreaks are detected too late, leading to preventable illness and spread

Why It Matters

With earlier prediction and intervention, public health agencies and food industries could reduce these incidents, protecting consumers and maintaining safety standards.

The Solution

AI-POWERED PREDICTIONS

Our platform leverages artificial intelligence to analyze EHR's and predict potential foodborne disease trends

INSIGHTFUL VISUALIZATIONS

Users receive information on potential outbreaks through visual maps, displaying common symptoms and likely diseases, sourced from data tied to local restaurants

Demo

Technical Details

- **AI & Data Analysis:** We integrated OpenAI's AI models to analyze trends in EHR data, identifying patterns and predicting foodborne disease risks.
- **Web Development:** Built using Next.js to create a responsive and fast user interface for displaying real-time insights on disease trends and outbreaks.
- **Data Integration:** Utilized EHR's as a primary data source, ensuring accurate, up-to-date health data to support our AI predictions.