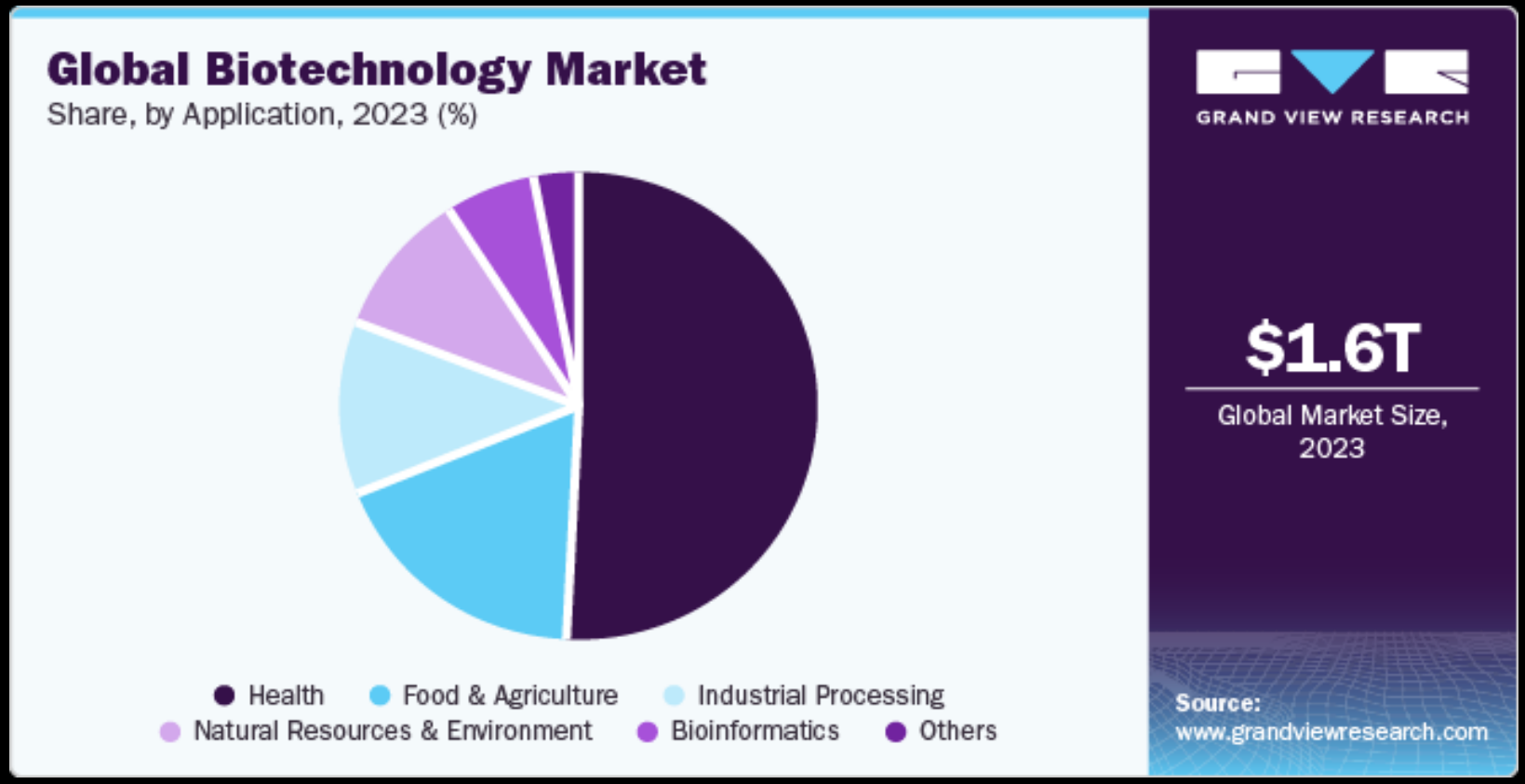
Mitral Regurgitation Causality Analysis

János Ákos-Márton

Lázár Róbert-Venczel

Szilágyi Botond

Market Research



Competition

- HeartFlow Analysis
- Edwards Lifesciences
- 4DMedical

Buyer Persona - B2B Clients

- **Primary Needs**
- **Primary challenges**

Value Proposition – B2B Clients

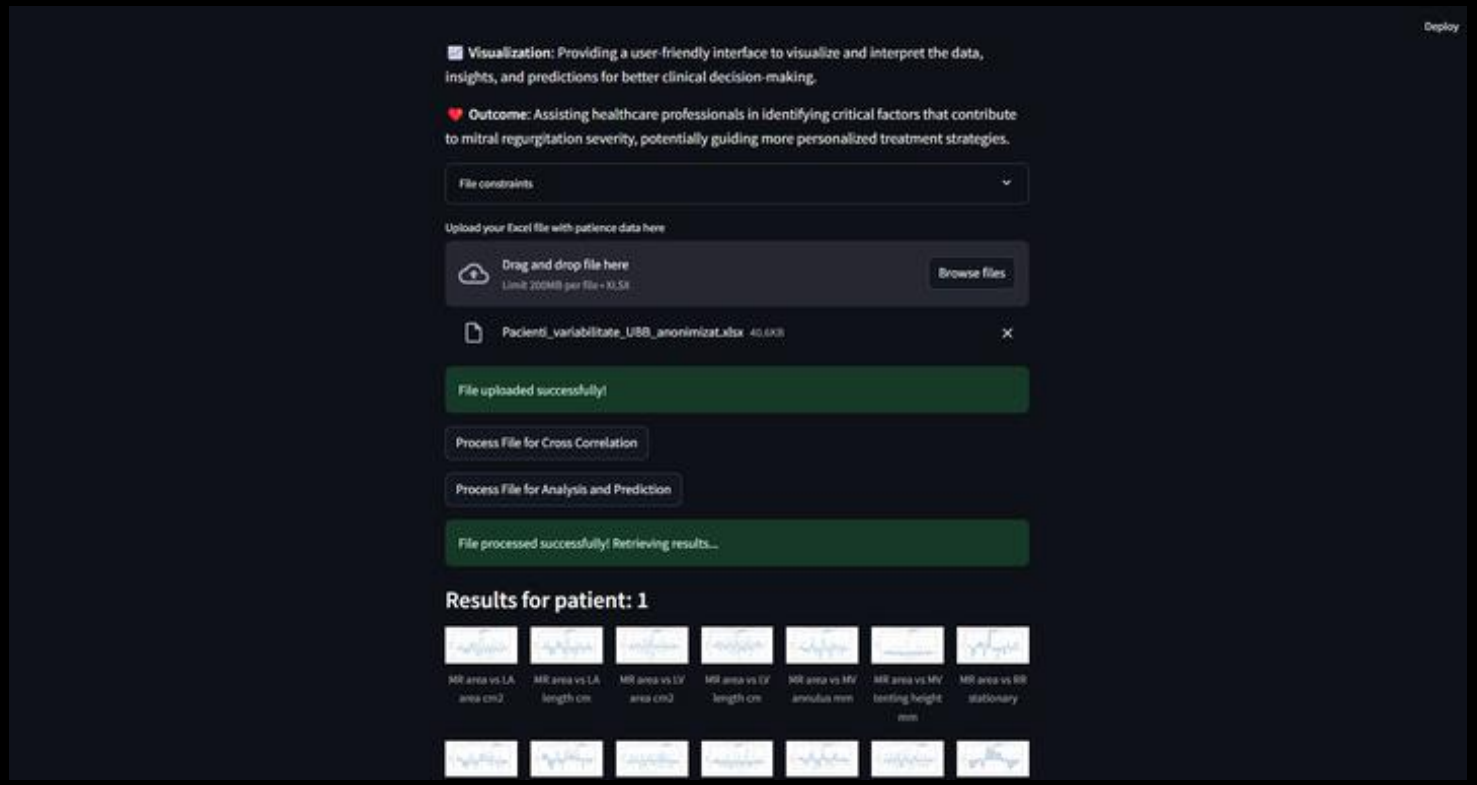
Business Model - Monetization

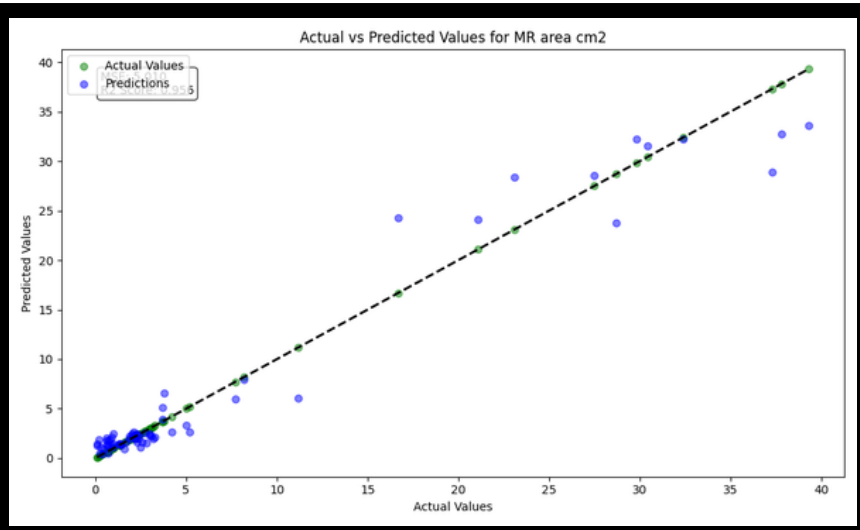
Subscription Model (SaaS - Software as a Service)

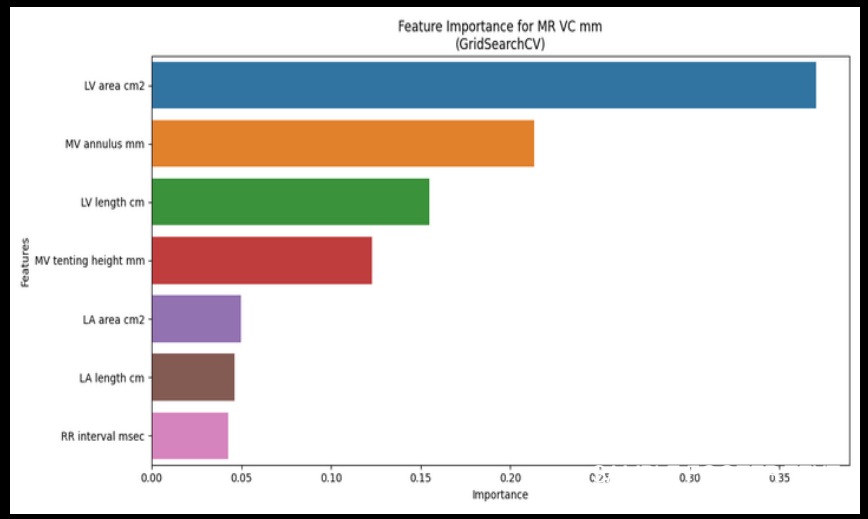
Licensing Agreements

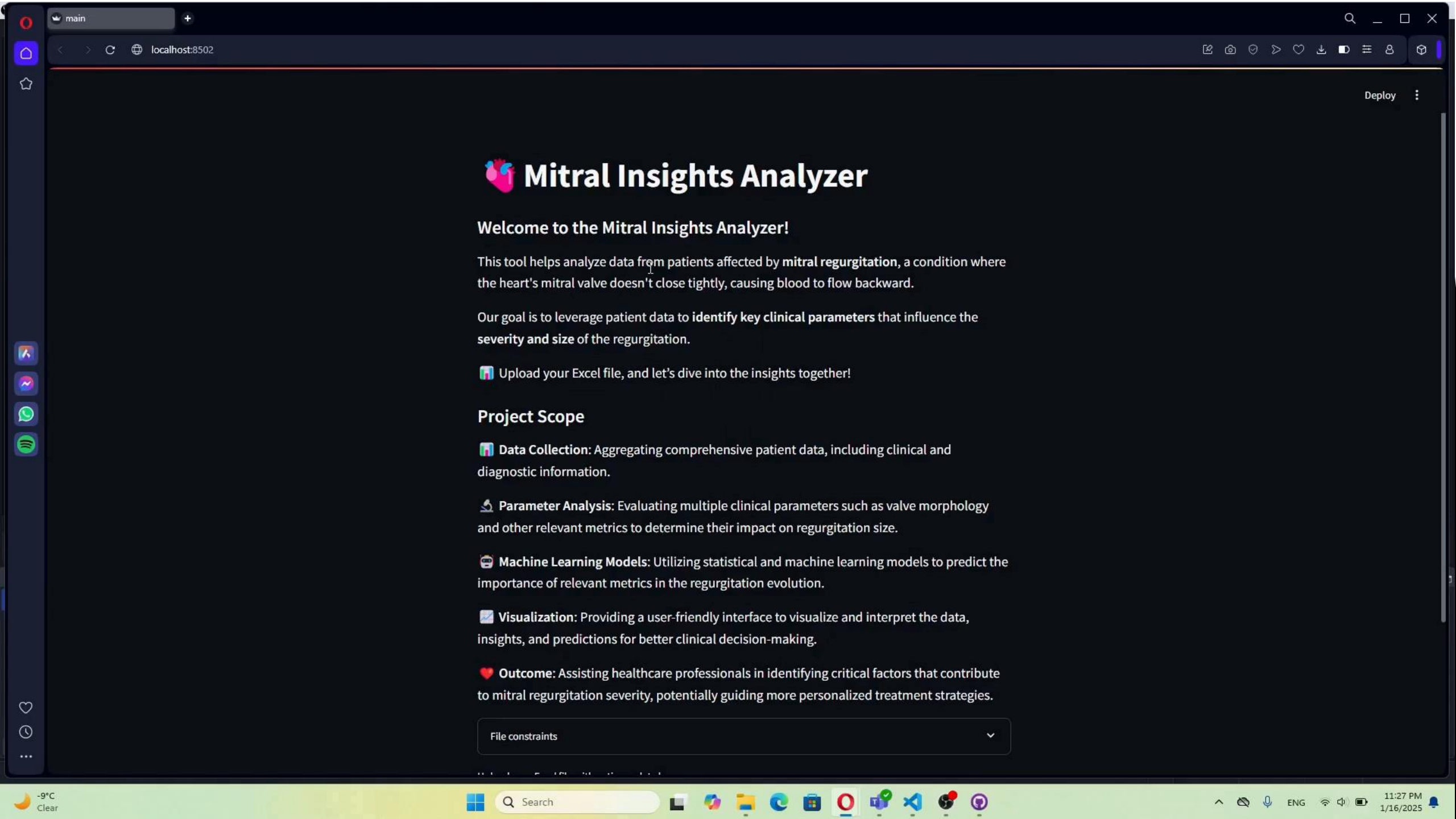
Functionalities

Random Forest, Gradient Boosting, GridSearchCV








main
localhost:8502
Deploy
Mitral Insights Analyzer
Welcome to the Mitral Insights Analyzer!
This tool helps analyze data from patients affected by mitral regurgitation, a condition where the heart's mitral valve doesn't close tightly, causing blood to flow backward.
Our goal is to leverage patient data to identify key clinical parameters that influence the severity and size of the regurgitation.
Upload your Excel file, and let's dive into the insights together!
Project Scope
Data Collection: Aggregating comprehensive patient data, including clinical and diagnostic information.
Parameter Analysis: Evaluating multiple clinical parameters such as valve morphology and other relevant metrics to determine their impact on regurgitation size.
Machine Learning Models: Utilizing statistical and machine learning models to predict the importance of relevant metrics in the regurgitation evolution.
Visualization: Providing a user-friendly interface to visualize and interpret the data, insights, and predictions for better clinical decision-making.
Outcome: Assisting healthcare professionals in identifying critical factors that contribute to mitral regurgitation severity, potentially guiding more personalized treatment strategies.
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