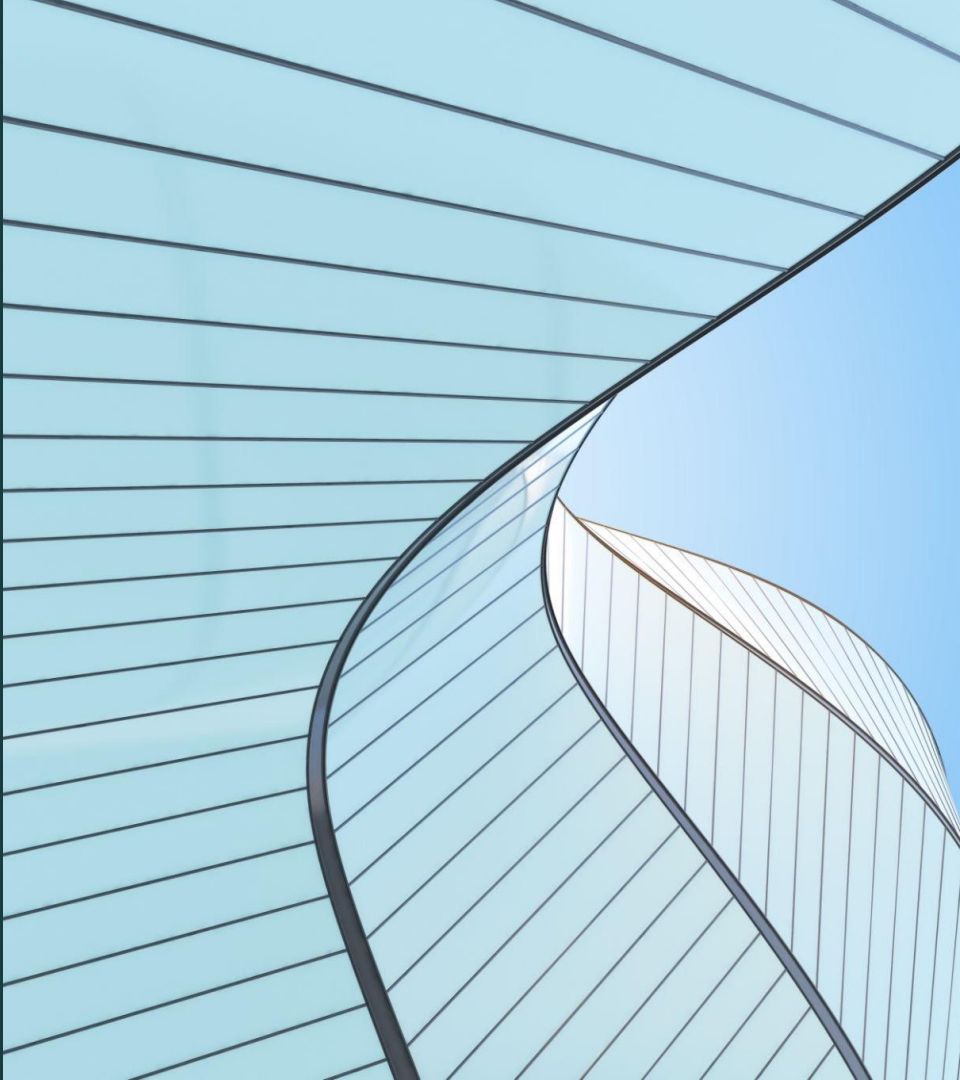


Team Data Dawgs
10/25/2025

SymptomAI

*Smart predictions for your
health.*

Wilson Zheng, Joshua Robins, Jibek Kelgenbaeva,
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Expensive Healthcare

The expensive cost of healthcare inspired us to create an application that can provide preliminary advice for individuals who can't afford or don't have time for a doctor's visit.

Our mission is to help those in need to take the first step toward informed healthcare decisions.





SymptomAI

Our Goals:

- *Accessible Healthcare*
- *Save time & money*
- *Instant insight on health issues*
- *Find next steps*

Dataset & Optimal Model



Dataset: Disease-Symptom (Kaggle)

We evaluated work three different models to obtain optimal model among Neural Network, Logistic Regression, and XGBoost.



Final Model: Neural Network

Neural Network achieved the best EDA at 82% accuracy, F1-score at 0.83, Precision at 0.90.



One shot classification: Ranking severity of disease

We implemented a one shot classification model allowing us to inform users of the severity case of their illness.



User Flow– Interactive Application



User Input

User inputs all existing symptoms and submits into application.



Application

Based on trained ML model, application outputs the top three suspected illnesses with their respective probabilities and a severity score.



User Sentiment

User feels informed on their health



Thank you

Thank you for your questions and feedback.