Self-Grade Justification

1. Problem Definition and Motivation

We had a well-defined, clear vision for this project. The problem was specific enough to be solvable with machine learning, but broad enough to allow for multiple approaches. Our motivation was to create a simple system that could assist in early disease identification.

1. Data Aqquisition and Preprocessing

Did a thorough job cleaning data and handling missing values. For text preprocessing, we went beyond basic cleaning. We used techniques like lemmatization, removing stopwords, and applied TF-IDF vectorization. a decent job with feature engineering and selection.

1. Model Selectrion, Evaluation, and Justification

Each team member implemented a specific model for comparison. We evaluated metrics like accuracy, recall, and confusion matrices. Decent job with model training and tuning.

1. Creativity and Innovation

While we chose pretty standard models, we had a creative approach of comparing and contrasting the models. Our pipeline was modular and pretty extendable. Although we didn’t use too many advanced deep learning techniques, we did do a good job exploring model tradeoffs.

1. Presentation

Good quality of visuals and insights were strong. We had graphs, tables, and well-labelled confusion matrices. Decent ability to communicate effectively