**Name:** Karthik Maganahalli Prakash (Myself)
**Contribution Summary:**
- Generated key visualizations using Plotly and matplotlib (e.g., donut plots, correlation heatmaps, scatter plots).
- Helped test the final model and interpret outputs from different drugs and tissue types.
- Handled literature review research, particularly on Principal Component Analysis (PCA) and its relevance to dimensionality reduction.
- Was responsible for organizing the PowerPoint slides, helping align them to the professor's requirements.
- Worked on the README and final documentation, including writing the STATEMENT.TXT file and code instructions.


**Name**: Balaji Gollapalli Venkataswamy Reddy
**Contribution Summary:**
- Took the lead on data preprocessing, missing value imputation, and feature encoding.
- Implemented the XGBoost model, including hyperparameter tuning using RandomizedSearchCV.
- Also prepared and structured the SHAP explainability analysis.
- Actively coordinated the final presentation design, and handled code packaging for submission.

**Name:** Bharath Kumar
**Contribution Summary:**
- Focused on the exploratory data analysis (EDA) part of the project.
- Helped generate pairplots, heatmaps, and tissue-based distributions.
- Collaborated with Balaji in testing multiple ML models and evaluating metrics like RMSE, $R^2$, MAE.
- Provided input during tuning and SHAP interpretation, offering insights into which biological features are most influential.

**Workload Evaluation:**
All three team members made meaningful and balanced contributions to the project. Each person took initiative in key areas and worked collaboratively to ensure the project's success. Given the shared workload and consistent teamwork, I believe all members deserve equal credit and the same grade