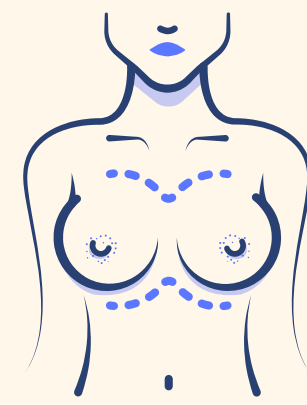




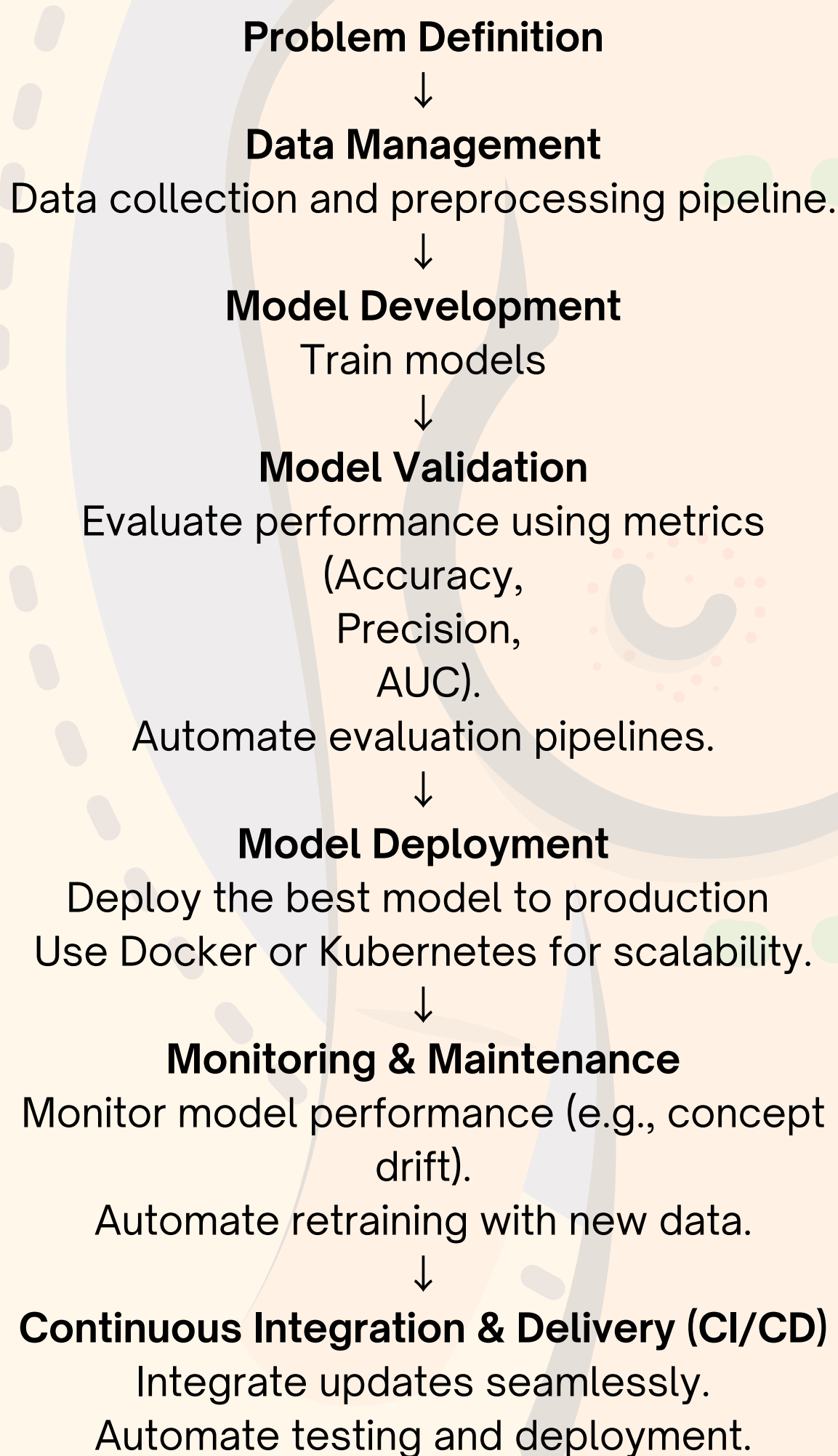
BREAST CANCER CLASSIFICATION USING ML



Objective ♀

- Build a model to classify breast cancer as malignant or benign.
- Improve early detection and patient outcomes.

MLOP workflow



Methodology

- **Data Preprocessing:** Handle missing values, scale features.
- **Exploratory Data Analysis:** Visualizations, correlation analysis.
- **Model Selection :** Logistic Regression, Random Forest, SVM, etc.
- **Evaluation Metrics :** Accuracy, Precision, Recall, F1-Score, ROC-AUC.

Conclusion

- Machine learning aids in efficient breast cancer classification.
- Future scope: Larger datasets, advanced techniques.



- Source: <https://www.kaggle.com/datasets/yasserh/breast-cancer-dataset>
- Features: Tumor characteristics (e.g., radius, texture, smoothness).
- Target: Malignant or benign classification.

GROUP MEMBERS:

SHREENIVAS DUDHATE: 202201070041

ADITI KULKARNI: 202201070046

NIKITA SHELAR: 202201070047