

AI-Powered Polypharmacy Risk Predictor

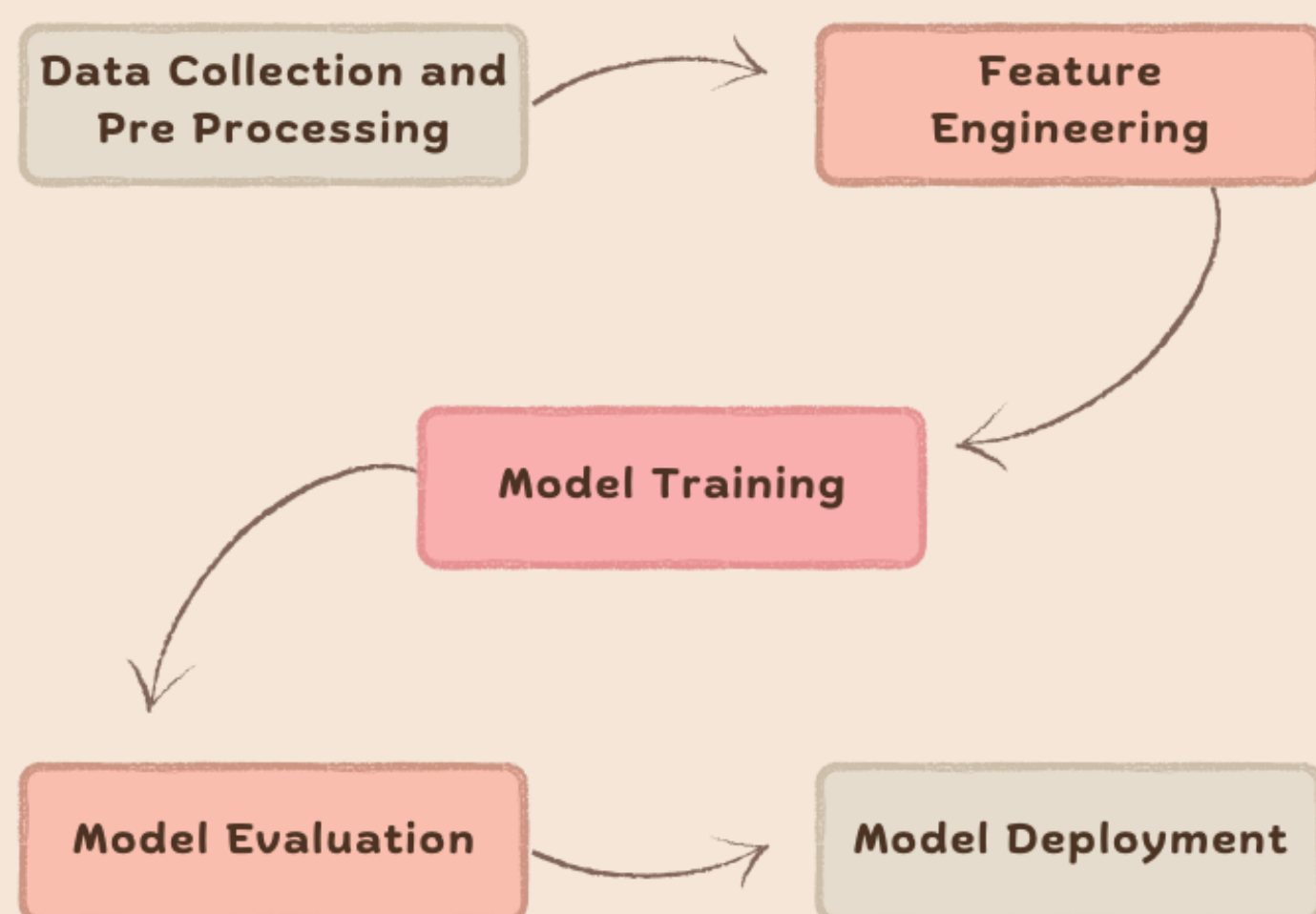
Problem Statement

Taking multiple medications (Polypharmacy) can lead to harmful interactions and serious side effects, putting patient safety at risk.

Executive Summary

- Web-based decision-support tool
- Predicts adverse drug interactions in polypharmacy
- Uses machine learning with a user-friendly interface
- Integrates multiclass classification regression model
- Provides accurate risk assessment
- Promotes safer prescribing practices

MODEL CONSTRUCTION PIPELINE



Team

- Harsh Wasnik (Project Manager)
- Shashank Satish Kohade
- Tushar Shrivastava
- Navyasree Madhu
- Rishab Khatokar

Advisor: Dr.Greg Chism

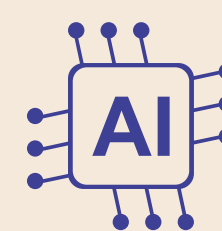


Product Features



Medication Entry Interface

Fast, RxNorm supported web input



AI-Based Drug Interaction Risk Prediction

ML-powered analysis



Clinical Alert System with Explanations

Tiered alerts with interaction reasoning



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