12.09.2022

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Diagram

AI Service Architecture

Project : Cliexa-AI Engine

* Epic : General Opioid Misuse Disorder Prediction Model

1. Feature 1: Data Collection
   1. Story 1: Connect Cliexa Database
   2. Story 2: Analyse Cliexa Dataset
2. Feature 2: Data Cleaning and Preprocess
   1. Story 3: Feature importance and selection
   2. Story 4: Normalization of columns
   3. Story 5: One-hot Encoding
3. Feature 3: AI Decision Engine and Model Creation
   1. Story 6: Design AI Decision Engine
   2. Story 7: Develop Model 1
   3. Story 8: Develop Model 2
   4. Story 9: Develop Model 3
4. Feature 4: Postprocess and AI Service
   1. Story 10: Design and Develop Scoring Algorithm
   2. Story 11: Create AI Rest Api
   3. Story 12: Dockerise the service
   4. Story 13: Develop Model 3
5. Feature 5: Dev-Ops Parts of AI Architecture
   1. Story 14: Create docker containers
   2. Story 15: Create Kubernetes Cluster
   3. Story 16: Create Docker Containers of components
   4. Story 17: Install Terraform to deploy Kubernetes
   5. Story 18: Deploy Kubernetes Cluster