DevTrack Platform

A comprehensive platform for developmental assessment and tracking
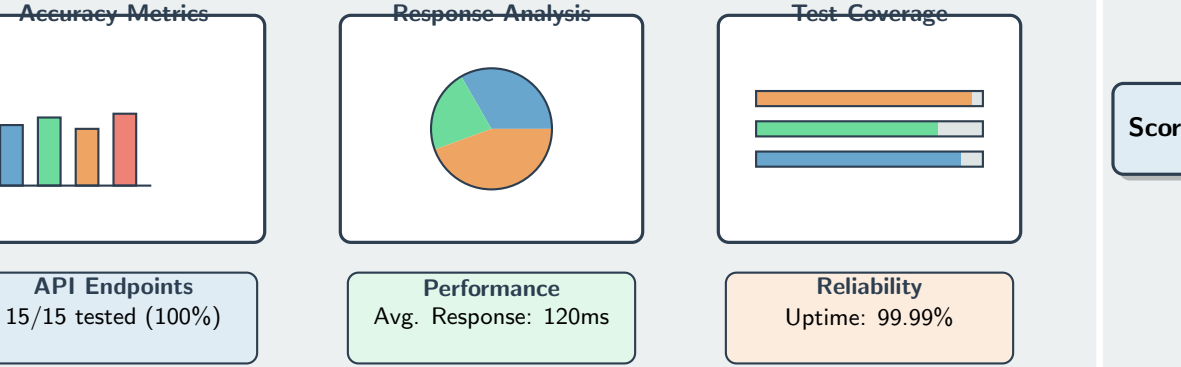
- API Service
- NLP Analysis
- Active Learning
- R2R Integration
- Data Storage
- Smart Scoring
- Reports
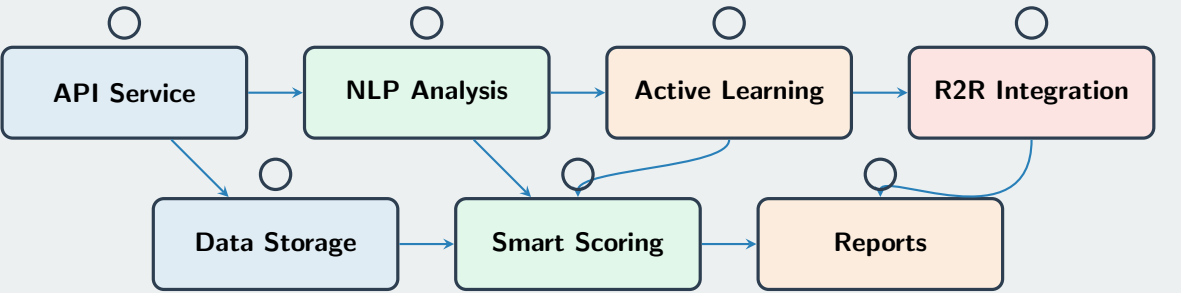
Smart Scoring Pipeline

Multi-tier approach for accurate developmental assessment

- Parent/Caregiver Response
- LLM-Based Scoring → *If uncertain*
- Keyword-Based Scoring → *If uncertain*
- Ensemble Scoring
- High Confidence
- Medium Confidence
- Uncertain Cases
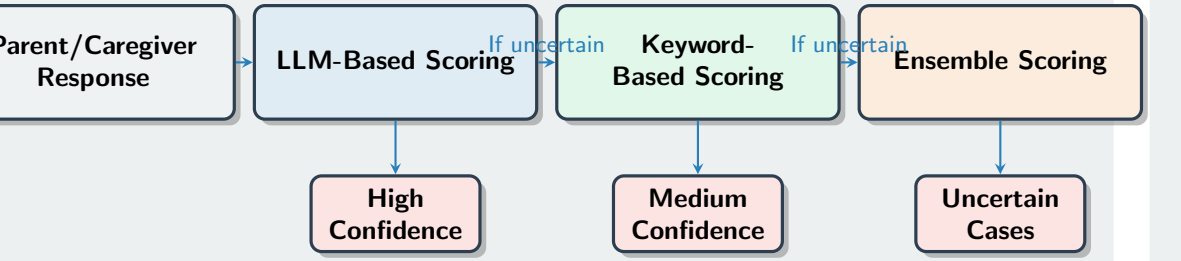
Test Results Dashboard

Performance metrics and assessment outcomes

Accuracy Metrics

API Endpoints
15/15 tested (100%)

Response Analysis

Performance
Avg. Response: 120ms

Test Coverage

Reliability
Uptime: 99.99%

Active Learning System

Continuously improving with expert feedback

- Scoring Model
- Prediction
- Uncertainty Detection
- Expert Review
- Training Data
- Feedback Integration
- Model Improvement
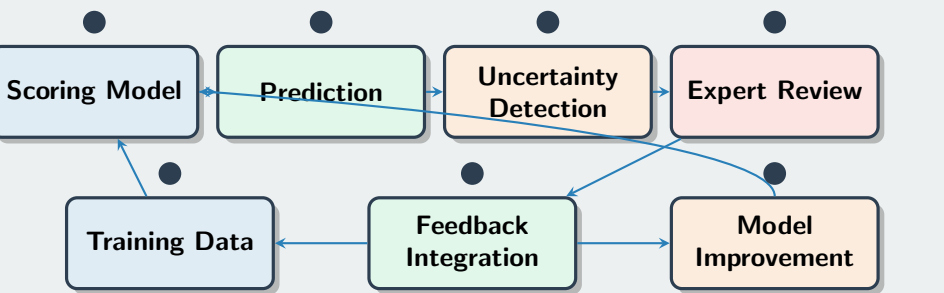
R2R Integration

Enhanced reasoning and retrieval for complex assessments

- Parent Response
- Reasoning Engine
- Knowledge Retrieval
- Context Analysis
- Evidence Synthesis
- Scoring Decision
- Explained Assessment Result

Key Metrics
40% improved accuracy
Detailed reasoning
Context-awareness