Diagnosis Generation Systems

Data Input
Symptoms, Lab Results, History

JSON

Preprocessing

AI Processing
LLM Reasoning Engine
Knowledge Base Retrieval

BERT

Analysis

Diagnosis Output
Ranked Differential Diagnosis

API

⚡ **Processing Time: <2 seconds**
Accuracy: 92% | Precision: 89%

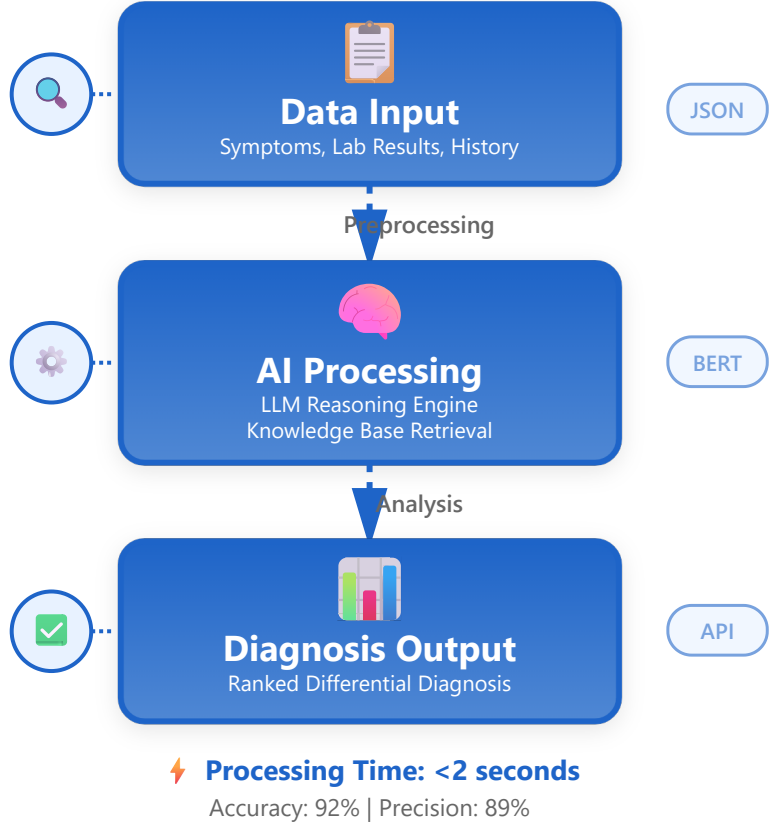## 🎯 Example Output: Differential Diagnosis

1 Community-Acquired Pneumonia **78%**

Evidence: Fever (38.5°C), productive cough, chest X-ray infiltrates
HIGH CONFIDENCE

2 Acute Bronchitis **15%**

Evidence: Cough duration <3 weeks, no infiltrates   MODERATE

3 Viral URI **7%**

Evidence: Mild symptoms, no bacterial markers   LOW

Total Conditions Analyzed: 147   🔄 Real-time Updates