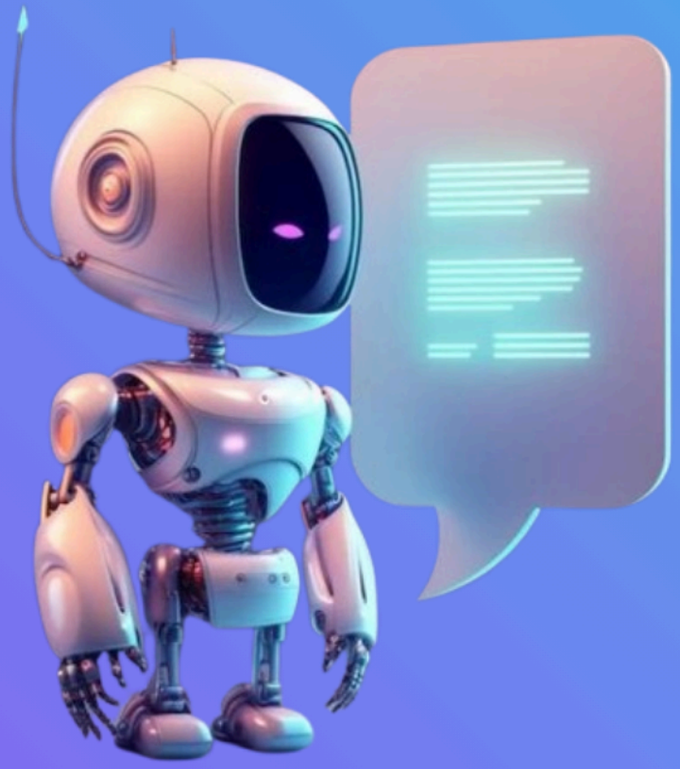
AI CHATBOT

Analysis Dashboard



- Performance Analysis
- Domain Comparison
- Load Analysis
- Optimization Insights

AI Chatbot Analysis

Overview | Domain Comparison | Load Analysis | Optimization Insights

Performance Analysis

Avg Response Accuracy (%)

85.24

Performance Efficiency Score

21.84

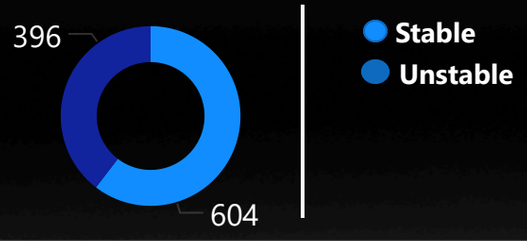
Avg Latency (ms)

553

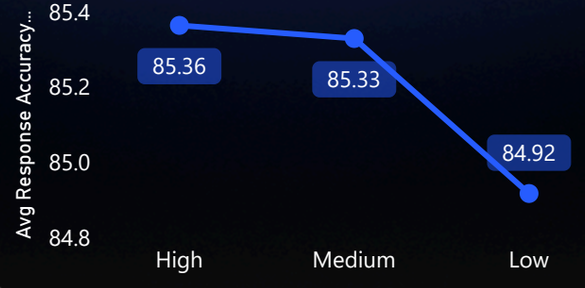
Total Unique Models

100

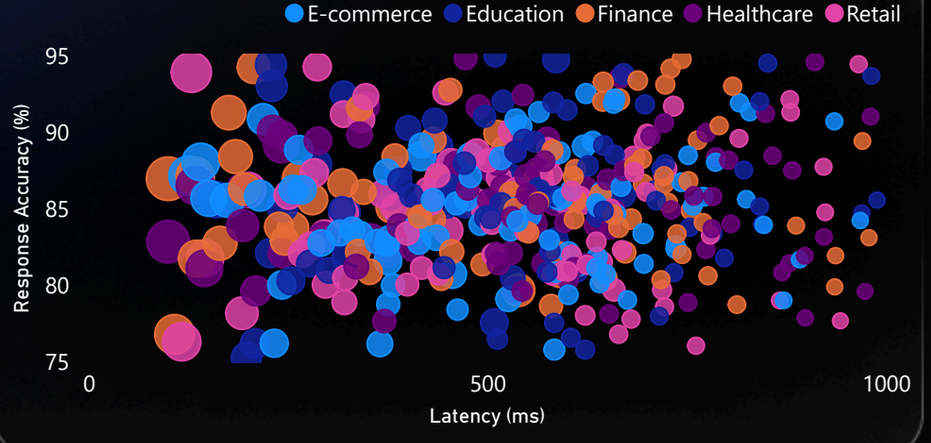
Model Performance Consistency



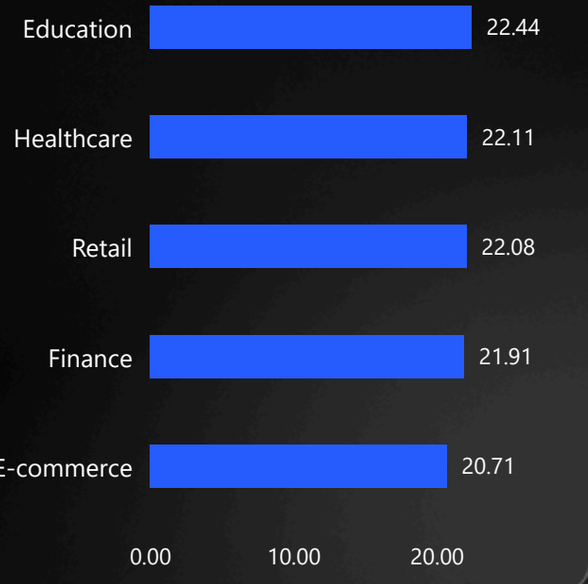
Performance Stability Across Latency Levels



Accuracy vs Latency by Domain



Performance Efficiency Score by Domain



AI Chatbot Analysis

Overview | Performance Analysis | Load Analysis | Optimization Insights

Domain Comparison

Top Performing Domain

Education

Top Performing Domain

0.22

Top Domain Efficiency

Highest Latency Domain

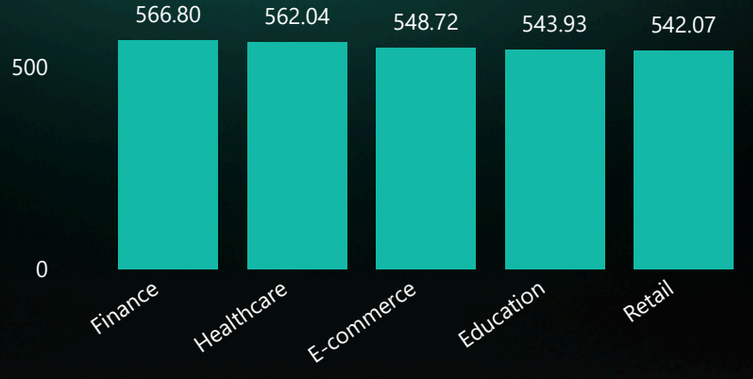
Finance

Highest Latency Domain

566.80

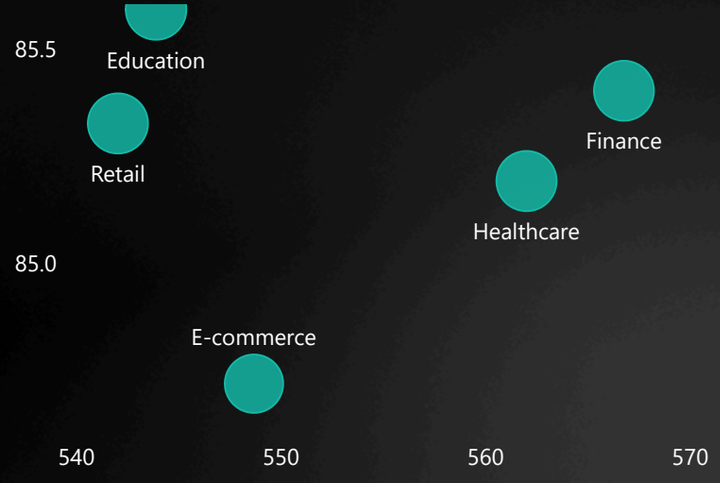
Highest Domain Latency

Average Latency by Domain (ms)



Overall Performance Efficiency by Domain

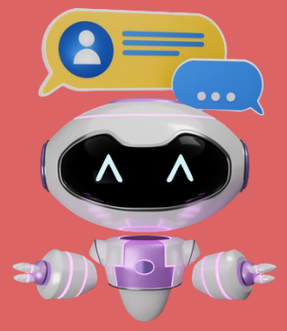
Domain-Level Accuracy vs Latency Trade-off



AI Chatbot Analysis

Overview | Performance Analysis | Domain Comparison | Optimization Insights

Load Analysis



Stress Test Pass Rate

2914.11%

Stress_Test_Pass

Accuracy Loss

-0.48

Accuracy_Degradation

High Load Success %

5306.75%

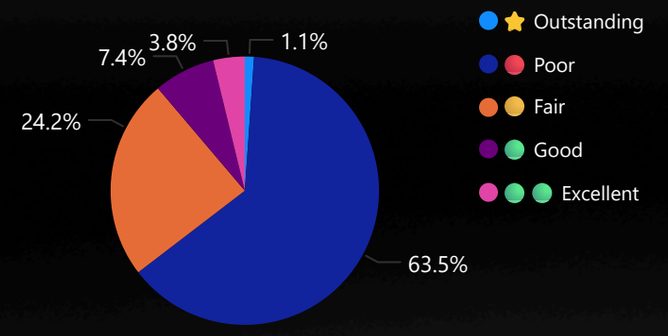
Success_Rate_HighLoad

Latency Increase %

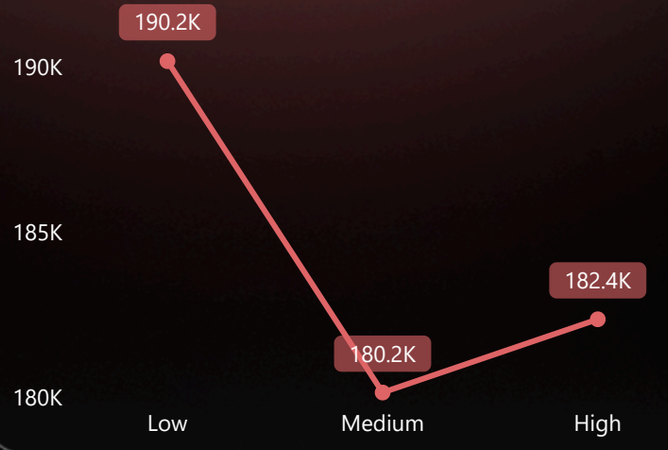
0.02

Latency_Increase_Pct

Efficiency Rating Distribution



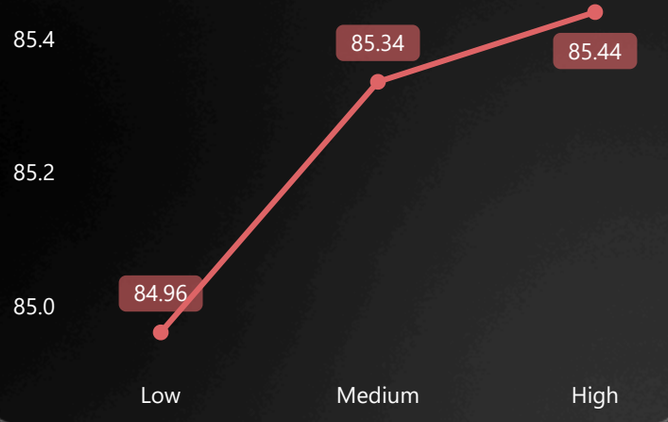
Latency Increase Under Load



Model Distribution by Efficiency Rating

efficiency_rating	Count of id
Outstanding	11
Poor	635
Fair	242
Good	74
Excellent	38
Total	**1000**

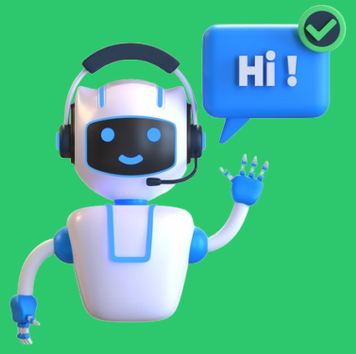
Response Accuracy Across Load Levels



AI Chatbot Analysis

Overview | Performance Analysis | Domain Comparison | Load Analysis

Optimization Insights



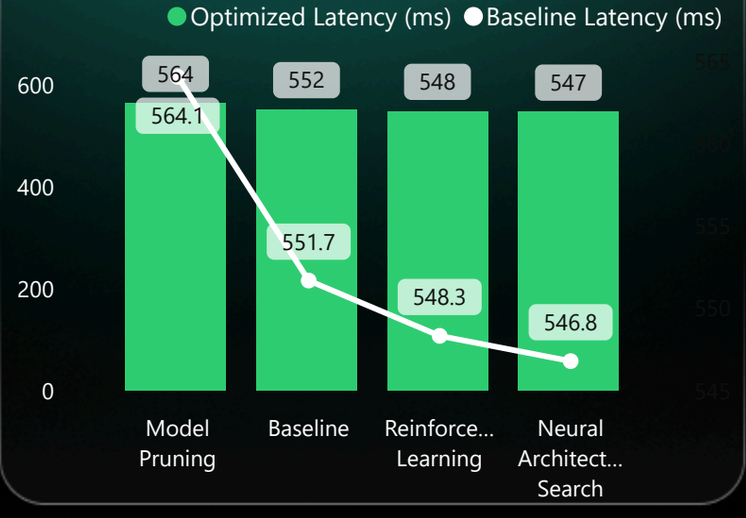
Most Effective Optimization Technique

Neural Architecture Search
Best Optimization Technique

22.32%
Best Optimization Efficiency

Optimization Trade-offs: Accuracy vs Latency

Before vs After Optimization (Latency)



Best Optimization Advantage (%)

2.2
Optimization Advantage (%)

Models Needing Optimization

676
Models Needing Optimization

Performance Gain vs Baseline by Optimization Technique