

Real Estate Listing Analyzer

Executive Summary

Challenge: Homebuyers and agents struggle to digest and compare verbose listings in competitive markets.

Solution: AI-powered summarization, feature extraction, and market-pricing badges delivered in a single dashboard.

Benefits:

Buyers: Save time scanning listings; make faster, informed decisions.

Agents: Automate listing write-ups and market research; focus on client relationships.

Platforms: Increase user engagement and lower bounce rates with digestible content.

Roadmap & Metrics:

MVP (summaries + tags) by July 31, 2025

ROUGE ≥ 0.35 , price-vs-median error $\leq 5\%$, response time ≤ 3 s

Tech Stack: FastAPI, spaCy, Hugging Face, Zillow API, FAISS, React