

COMPLETE PROJECT WORKFLOW

External Lead Intelligence System for Real Estate

1. Business Context & Lead Intelligence Problem Definition

Defines the real-estate business objective of identifying and prioritizing high-intent buyers/sellers from external digital environments to improve conversion efficiency and reduce sales effort.

Deliverables :

- Defined decision objective and KPIs
- Clear definition of “external lead intelligence”
- Target user (sales/marketing teams)

2. External Digital Signal Identification & Data Acquisition

Identifies relevant external digital signals (search behavior, inquiries, listings interactions) and continuously collects them from public or permitted data sources.

Deliverables :

- External data source catalog
- Raw, time-stamped lead interaction data
- Source metadata

3. Data Cleaning, Structuring & Feature Engineering

Transforms raw external signals into structured lead profiles and engineered features capturing behavioral, geographic, and temporal intent patterns.

Deliverables :

- Cleaned and normalized lead dataset
- Feature matrix for ML models
- Engineered intent and reliability indicators

4. Lead Intent Classification (ML Core)

Uses machine learning models to classify leads into buyer/seller/investor categories and predict intent strength (high, medium, low).

Deliverables :

- Trained intent classification model
- Lead intent scores
- Model performance metrics

5. Lead Trust, Quality & Geo-Demand Intelligence

Evaluates lead reliability and seriousness, and aggregates lead data geographically to identify demand concentration and market trends.

Deliverables :

- Trust and quality scores per lead
- Geo-demand insights and heatmaps
- Market-level intelligence summaries

6. Lead Prioritization & Sales Intelligence Generation

Combines intent, trust, and geo-demand signals to rank leads and generate actionable sales priorities.

Deliverables :

- Ranked and prioritized lead list
- Sales action recommendations
- Lead segmentation buckets

7. Business Intelligence & Decision Support Layer

Presents insights to sales and marketing teams through dashboards and reports to support strategic and operational decisions.

Deliverables :

- Interactive dashboards
- Lead performance analytics
- Campaign and regional insights

8. Performance Evaluation & Continuous Learning Loop

Evaluates system effectiveness and feeds new data and outcomes back into the system for periodic model improvement.

Deliverables :

- Lead quality and efficiency metrics
- Updated training datasets
- Improved ML models

9. System Governance, Monitoring & Maintenance

Ensures long-term system reliability through monitoring, auditability, and data/model health checks.

Deliverables :

- Model and data health reports
- Audit and governance logs
- Sustainable lead intelligence platform

