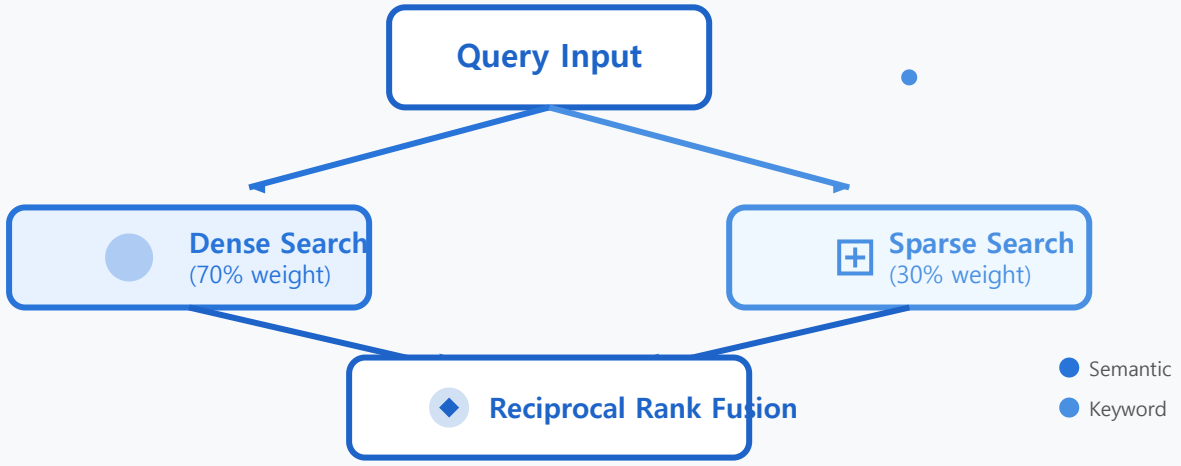
Hybrid Search Implementation

🔀 Hybrid Architecture



Weighted Sum

```
score = α·dense + (1-α)·sparse
```

RRF (Recommended)

```
score = Σ 1/(k + rank)
```

Ensemble

```
Multiple models voting
```

📈 Performance Improvement

Precision@10: **89%** → **95%**

Recall@10: **76%** → **92%**