

Case Bridge

AI-POWERED LEGAL RESEARCH & CASE ANALYSIS

Mahesh Nampally

G-474

Scope of project

Intent: A web tool where you enter a legal research question and it retrieves the top 5 relevant cases and then generates a concise “analysis brief” grounded in those cases.



- 1 Semantic case retrieval
- 2 Consise summary & minimize hallucination

Current Problems



1

Legal research is time-consuming and is high costs

2

Citation errors - hallucinated references

3

Lack of tools to quickly summarize multiple cases.

Understanding the paper (CLERC)



1

CLERC dataset: 1.8M+ U.S. federal cases for case retrieval, precedent search, and citation-based legal briefs.

2

AI tools hallucinate citations and struggle with long-context reasoning.

3

Takeaway: today's models still struggle to retrieve the right cases and keep citations accurate.

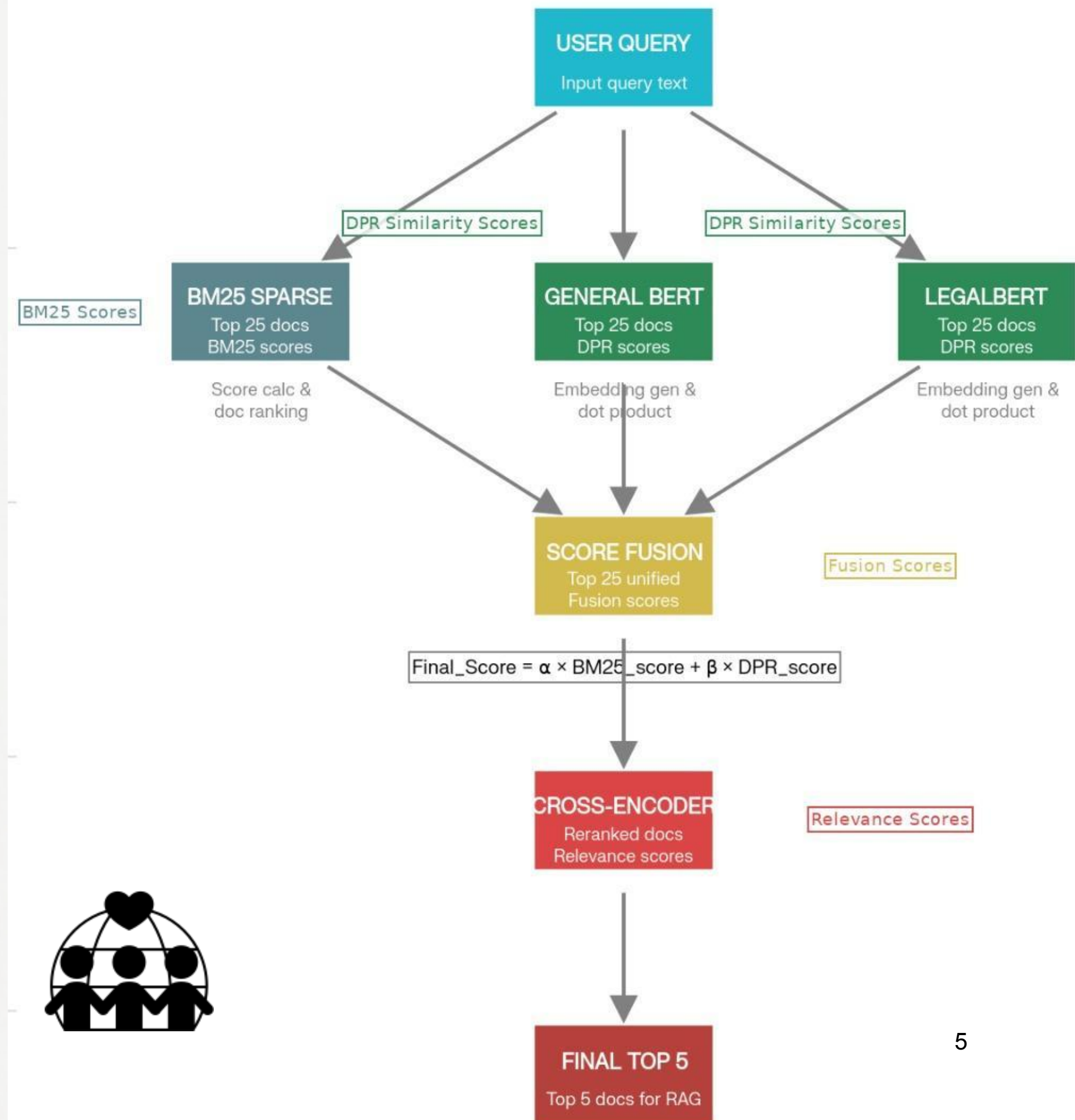
Solution

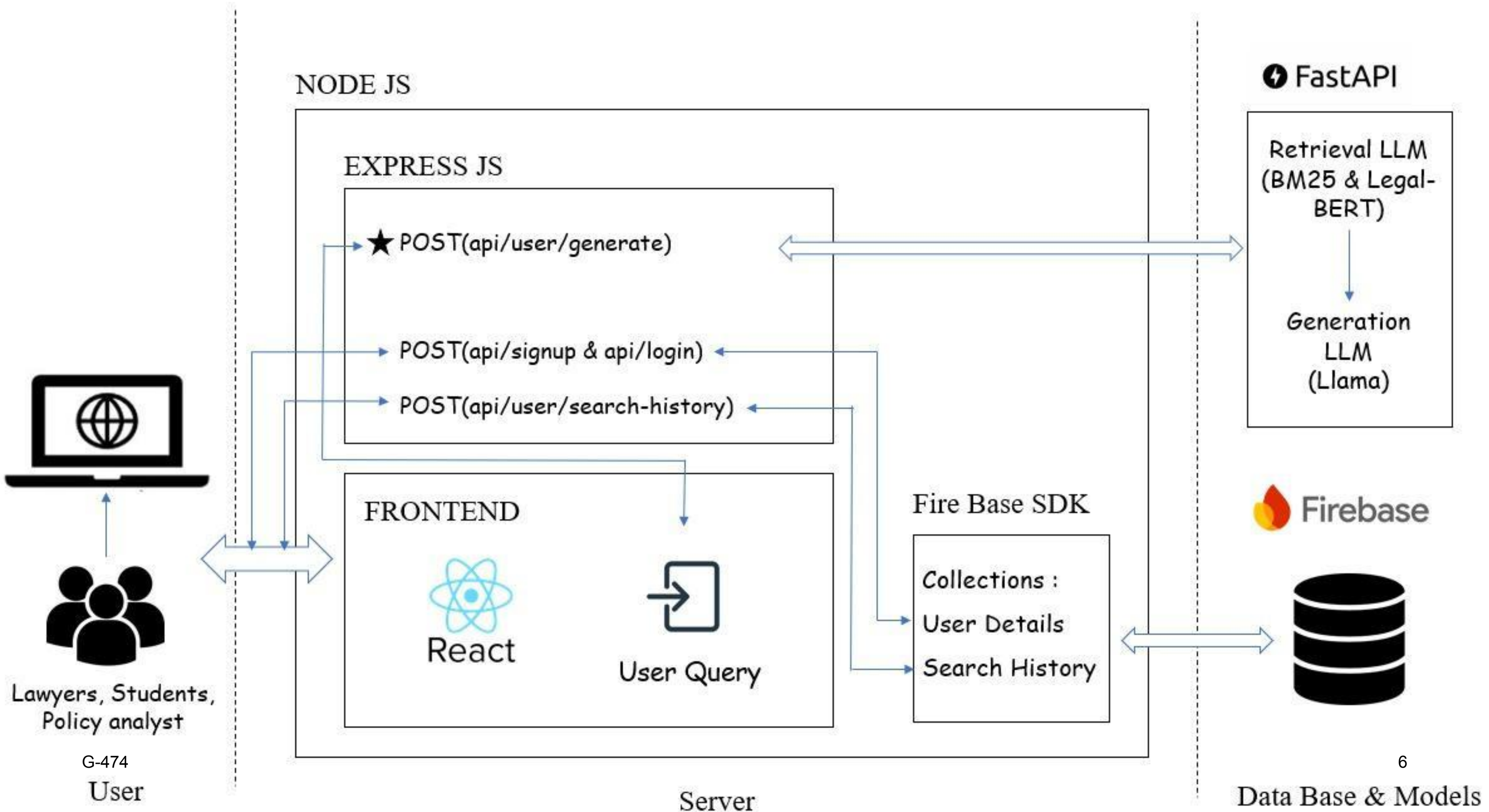
Hybrid legal research using BM25, BERT models, and re-ranking to deliver top 5 cases for AI-generated, citation-accurate briefs in U.S. and Indian law.

Idea

Next-gen legal research platform – hybrid retrieval, AI brief generation, jurisdiction-specific (U.S. & India)

G-474





Business Case



Lawyers, law
students,
researchers.

Rising demand
for AI in
LegalTech.

Improves
accuracy of
retrieved cases

Faster
Research

Trustworthy
outputs

More

Roadmap

Phase 1

Build retrieval pipeline.

Phase 3

- Develop a web application using MERN

Phase 2

- Building Summarization pipeline

Phase 4

- Add reporting & export features.

The End

THANK YOU FOR LISTENING

Mahesh Nampally

G-474