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(57) Abstract :
Disclosed herein is a book recommendation system using large language models (LLMs) (100) comprises a frontend interface (102) configured to receive natural language input queries from a user. The system also includes a backend service (104) comprising a RESTful API architecture implemented via a Node.js and Express.js stack, operatively connected to the frontend. The system also includes a locally hosted LLM module (106) configured to execute a transformer-based language model (Mistral 7B) locally on user hardware. The system also includes an external data integration module (108) configured to match the LLM-generated book titles with metadata. The system also includes a result rendering engine (110) configured to display said matched book recommendations and associated metadata to the user in real-time through the frontend interface.

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