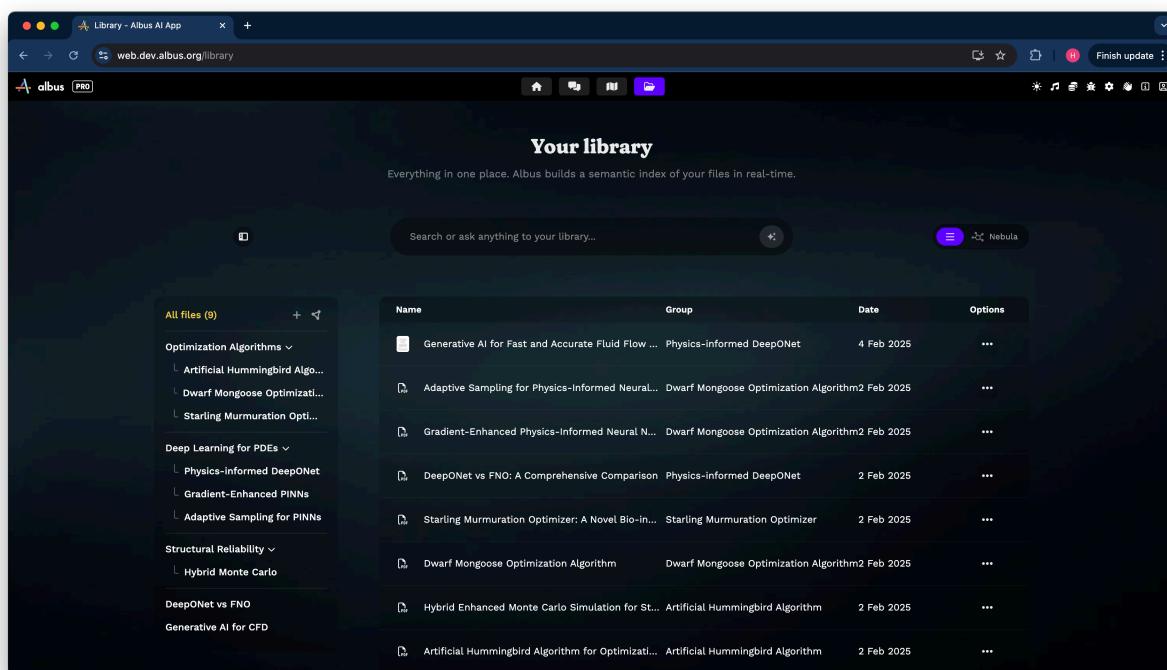


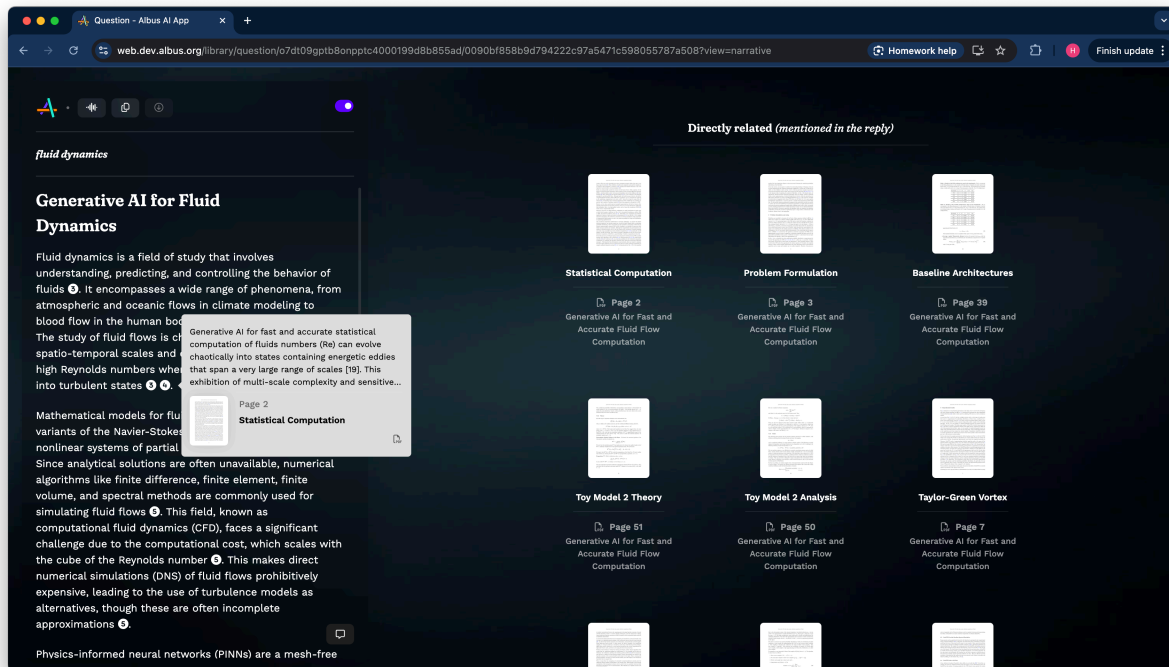
# Mandatory Criteria 1 - Technical Leadership at Albus Technologies

Over 6 months as Founding Engineer, I built Albus's core RAG system from the ground up, designing a hierarchical semantic chunking architecture that outperformed the industry standard (LangChain) by 30%. I solved a critical industry problem, LangChain's arbitrary text splitting, with an approach so effective that users willingly chose 30x slower processing for 2x better accuracy. The system I built now serves 50,000+ active users across multiple enterprise customers, processing 400,000+ documents into 4 million semantic chunks and handling 500,000+ monthly searches with 99.7% uptime and sub-200ms response times.

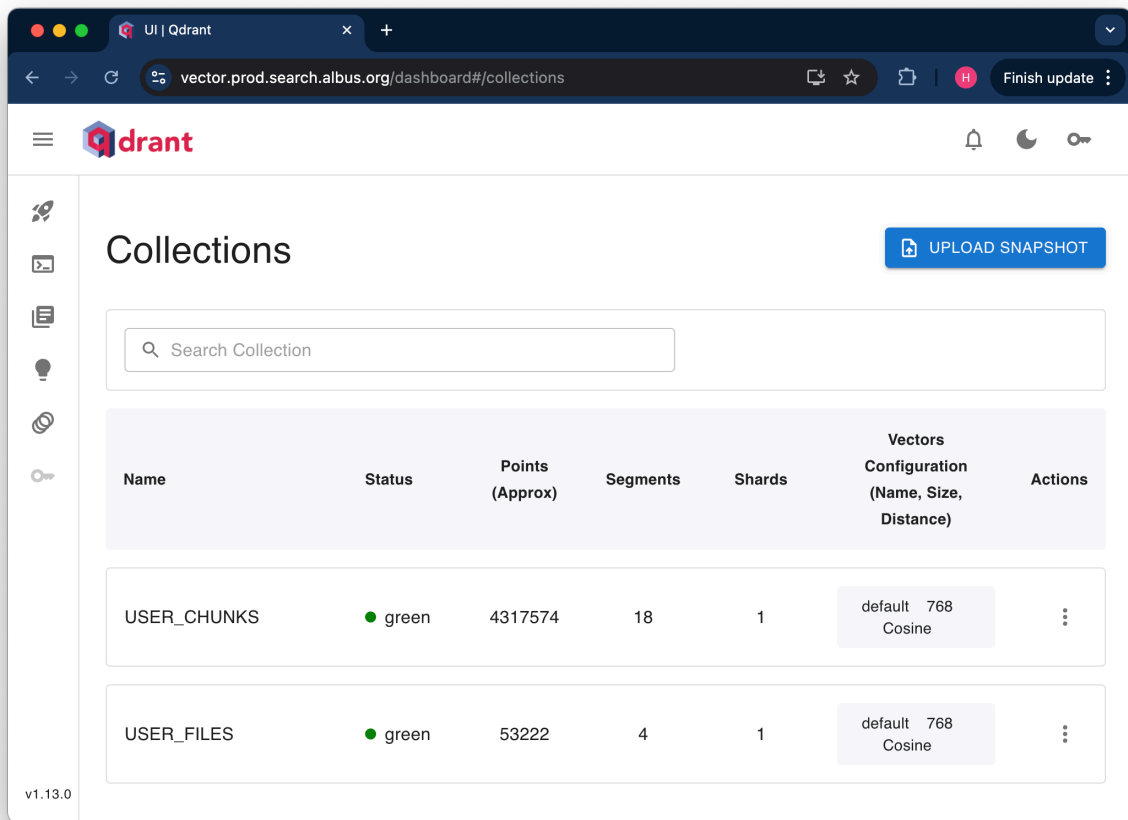
## System I Built



*Library view where users drag and drop thousands of documents of different modalities (PDF, image, code, text, audio, website)*



*Search view where users ask questions and get detailed reports with relevant references from their libraries*



*System scale: 50,000+ users, 400,000+ documents processed, 4,000,000+ semantic chunks*

### Key Numbers

- **50,000+ active users** across multiple enterprise customers
- **400,000+ documents** processed into 4 million semantic chunks
- **100,000+ monthly searches** with 99.7% uptime and sub-200ms response times
- **30% improvement** over industry standard (LangChain)