Nikhil Sharma

Full stack developer

Contact

ns721764@gmail.com

7217643266

Delhi

Full Stack Development

Skills

javascript typescript react.js node.js python langchain RAG

Links

https://www.github.com/nikhilsharma51

Summary

Aspiring Full-Stack Developer and AI Engineer with hands-on experience building production-grade web applications and Retrieval-Augmented Generation (RAG) systems using Next.js, FastAPI, MERN, LangChain, and PostgreSQL. Strong foundation in software engineering, semantic search, and cloud deployment, backed by multiple hackathon achievements

Education

Btech — 2026-2028
Maharaja Surajmal Institute of Technology

Projects

- PolicyPulse | Next.js, FastAPI, PostgreSQL (pgvector), Supabase, Google Gemini, LangChain, RAGAS GitHub
- • Architected and developed a production-grade AI document intelligence platform implementing a Retrieval-Augmented
- Generation (RAG) pipeline over complex policy documents, evaluated using RAGAS for retrieval quality
- • Built a hybrid dense–sparse retrieval architecture (20 dense + 20 sparse results) fused via Reciprocal Rank Fusion (RRF),
- followed by cross-encoder reranking to surface the top 5 most relevant chunks
- • Implemented semantic vector search using Gemini text-embedding-2 embeddings with citation-backed, streaming LLM

CV built on DBERT · lms.dbert.in — internships, jobs & industry certifications for students in India.