NITIN YADAV

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COURSEWORK / SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript, Python
- **Frontend:** HTML, CSS, ReactJS, NextJS, Redux
- **Backend:** Node.js, Express.js
- **Databases:** PostgreSQL, MongoDB, QdrantDB, Redis
- **Tools & Technologies:** Git, GitHub, Docker, AWS, Turborepo, Monorepo
- **Gen AI:** Langchain, Langraph, RAG, OpenAI API, Gen AI, Agent SDK
- **Concepts:** Data Structures & Algorithms, OOPS, Blockchain (Learning)
- **Libraries:** Prisma ORM, Zod, WebSockets, memory-mem0

PROJECTS

R8R (Rapid Rag Runtime) | *Langchain, TypeScript, Node.js, QdrantDB, OpenAI API , Claude , Gemini API , Pinecone , Redis*

- Enterprise-grade RAG Workflow-as-a-Service platform for creating, deploying, and scaling multi-LLM pipelines
- Designed drag-and-drop visual workflow builder for connecting retrievers, query enhancers, vector DBs, and summarizers
- Implemented parallel LLM execution and hallucination-reduction pipelines using query enhancement and re-ranking
- Built modular nodes for document loaders, embeddings, vector stores, and post-processors
- Reduced RAG pipeline setup time from hours to minutes with auto-generated API endpoints
- Source Video

EduFinance | *React, Node.js, MongoDB, Groq AI, Fluvio*   **Apr 2025**

- Gamified financial literacy platform with interactive content and AI-driven experiences
- Team Project — Role: Backend & Database Developer - Designed scalable MongoDB schema
- Implemented XP system with points awarded on lecture completion and auto-level upgrades
- Achieved top 100 among 2900+ teams in HackHazard 2025 hackathon
- Live Demo

AI Automation Tool | *Chromium, OpenAI API, TypeScript, Next.js*   **Apr 2025**

- AI-powered automation system for website navigation and task execution
- Implemented browser automation using Chromium with OpenAI API integration
- Developed mini AI assistant for streamlining repetitive workflows and productivity enhancement
- Source Video

ACHIEVEMENTS

HackHazard Hackathon   **2025**

Top 100 among 2900+ teams   *Online*

- Built EduFinance project focusing on improving financial literacy through gamification
- Developed backend systems and database architecture for the winning solution

CERTIFICATIONS

Java - Apna College

AWS- Gen AI

Cisco - cyber security essential 1

EDUCATION

Gyan Ganga Institute of Technology and Science   **Jabalpur, India**

Bachelor of Technology in Computer Science Engineering — Current CGPA: 7.0   *2023 – 2027*