PRIYANSHU KUMAR RAI

Lucknow, UP

📞 +91 7619922763　✉ priyanshukumarrai.231cv240@nitk.edu.in　🔗 LinkedIn　○ Devgambo　</> Codolio

EDUCATION

National Institute Of Technology, Karnataka　　　　　　　　　　　　**Aug 2023 – May 2027**
B. Tech in Civil Engineering, Minor in Information Technology　　　*GPA: 8.41 (Major), 9.00 (Minor)*

Army Public School LBS Marg, Lucknow　　　　　　　　　　　　**June 2010 – April 2022**
Class XII (Physics, Chemistry, Maths, Computer Science) (CBSE-2022)　*Percentage : 90.2%*
Class X (CBSE-2020)　　　　　　　　　　　　　　　　　　　　*Percentage : 97.4%*

EXPERIENCE

Frontend Developer　　　　　　　　　　　　　　　　　　　　**Feb 2025 – Present**
onQuest 🔗 | ○　　　　　　　　　　　　　　　　　　　　　　　　　*Mangalore*
- Building the frontend for onQuest, a travel platform that generates personalized plans based on user budget and destination.
- Contributing to an actively developing product, gaining experience in the full software development lifecycle.

PROJECTS

HackVerse 🔗 | NestJS, NextJS, RTK Query, Redux, TailwindCSS | ○　　**May 2025 – June 2025**
- HackVerse is a comprehensive platform for managing hackathons, streamlining every stage from event creation and registration to team formation. It delivers a seamless experience for both organizers and participants.
- Built a scalable full-stack architecture with Next.js (frontend), NestJS (backend), and Neon.
- Designed a highly normalised Neon (PostgreSQL) database schema using Prisma ORM.
- Implemented Role-Based Access Control (RBAC) using Passport.js, NestJS guards, decorators.

CodeSync 🔗 | NextJS, Convex, Liveblocks, Gemini | ○　　　　　　**June 2025 – July 2025**
- Developed a real-time collaborative platform featuring a code editor, whiteboard, and in-room chat, using Next.js with SSR/CSR and Convex's reactive backend.
- Integrated Liveblocks, Yjs, and Monaco Editor for seamless code and whiteboard synchronization, including live cursors and user avatars.
- Implemented role-based access control using Liveblocks room metadata—allowing owners to read/write, manage users, and control collaboration.
- Embedded Gemini-powered AI assistant to provide intelligent, contextual suggestions and chat within the editor.

FinSage　| Nextjs, FastAPI, LangChain, ChromaDB, HuggingFace, Groq | ○　**June 2025 – July 2025**
- Built a Retrieval-Augmented Generation (RAG) RBAC system to serve as a contextual financial assistant for a fintech use case.
- Developed a modular FastAPI backend that processes user queries, retrieves relevant context from markdown-based knowledge files using ChromaDB (local vector store as of now), and generates answers using LLaMA-3 models on Groq.
- Integrated Role-Based Access Control (RBAC) by attaching user roles (e.g., finance, legal, HR) as metadata to documents and filtering results during retrieval, ensuring contextually accurate and role-restricted responses.

SKILLS

Programming Languages: Python, C++, JavaScript, TypeScript, HTML/CSS, SQL, NoSQL
Tools: GitHub, Git, VS Code, Postman, Docker, AWS, Versel, Neon
Technologies/Frameworks: Tailwind CSS, ReactJS, Redux, NextJS, NodeJS, NestJS, ExpressJS, MongoDB, MySQL, PostgreSQL, Redis, JWT, FastAPI, LangChain, LangGraph, Hugging Face.
Soft Skills: Team Collaboration, Communication, Adaptability, Learning Agility, and Problem Solving.

EXTRACURRICULAR

Rocket League, NITK: Web Head — developed and deployed the official club website 🔗 to showcase projects and achievements, significantly enhancing the club's digital presence.
PACE, NITK: Active member contributing to both academic and co-curricular initiatives, fostering a collaborative learning environment.
Yoga Club, NITK: Member of the yoga trainee team and event management team, supporting wellness activities and organizing club events.