PRIYANSHU KUMAR RAI

Lucknow, UP

📞 +91 7619922763 · ✉ Mail · 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

Developer @ onQuest ↗ | ⍟   **Feb 2025 — Sep 2025**

- Developing onQuest, a travel platform designed to generate personalized itineraries based on user-defined budgets and destinations.
- Engaging in the full software development lifecycle, from feature design and implementation to testing and deployment in a live product environment.

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 and implemented a robust Neon (PostgreSQL) database schema with Prisma ORM, reducing redundancy and enabling efficient, scalable application queries.

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 real-time chat within the editor.

Shoreline Analysis | Python, OpenCV, Scikit-learn, XGBoost, Docker | ⍟   **June 2025 – July 2025**

- Analyzed multi-decade shoreline changes using satellite imagery and machine learning models.
- Processed 1984–2022 satellite imagery to extract shoreline changes using OpenCV edge detection.
- Built and benchmarked ML models (SVR, XGBoost) to predict shoreline shifts with high accuracy.
- Automated workflows with Docker for reproducibility and generated visual insights on coastal trends.

SKILLS

Proficient: Python, C++, JavaScript, TypeScript, HTML/CSS, SQL — **Familiar:** NoSQL, Solidity
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, LangGraph, Hugging Face.
Soft Skills: Team Collaboration, Communication, Adaptability, Learning Agility, and Problem Solving.

LEADERSHIP & INVOLVEMENT

EthOnline'25: Built *FitStake* ↗, a decentralized fitness staking platform incentivizing healthy habits using smart contracts and on-chain activity tracking.
EthGlobal'25, New Delhi: Built *PokeWars* ↗, an RPG multiplayer shooter with a blockchain-integrated marketplace, and contributed to full-stack development and game mechanics implementation during the 36-hour hackathon.
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.