

PRIYANSHU KUMAR RAI

Mangaluru, Karnataka

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EDUCATION

National Institute Of Technology, Karnataka

B.Tech in Civil Engineering, Minor in Information Technology

Aug 2023 – May 2027

GPA: **8.37/10** (Major), **8.75/10** (Minor)

Army Public School, LBS Marg, Lucknow

Class XII (Physics, Chemistry, Maths, Computer Science) CBSE 2022

June 2010 – April 2022

Class X (CBSE 2020)

90.2%

97.4%

EXPERIENCE

SDE Intern @ Inxtinct Security ↗

Dec 2025 – May 2026

London, UK – Remote

- Built an **LMS platform** (Next.js, Sanity CMS) with **RBAC**, **rate limiting**, and secure **REST APIs**; integrated **AWS S3** for image storage and **Mux** for protected video delivery.
- Developed and deployed **Osiris** — a **super admin dashboard** for Inxtinct's **email security** platform, enabling centralized visibility and control over security configurations and user management.
- Deployed and maintained production on **AWS EC2**; automated releases via **CI/CD pipelines** (GitHub Actions) enforcing security best practices end-to-end.

Developer @ Chain Salad ↗

Jan 2026 – June 2026

Mangalore, India – Onsite (Part Time)

- Built a **digital storefront** (Next.js, Prisma) with **Stripe & PayPal** support; implemented **idempotent webhook handlers** and **atomic DB writes** to ensure transaction integrity and prevent duplicate processing.
- Architected **secure file delivery** via **AWS S3** pre-signed URLs and **IAM roles**; automated transactional emails via **ZeptoMail** for receipts and confirmations.

PROJECTS

AI Compliance Checker | *Python, FastAPI, React, LangChain, ChromaDB, Supabase* | 🐙 Jan 2026 – March 2026

- Engineered a **Multi-Agent AI pipeline** (Orchestrator, Specialists, Validator) to dynamically **parse, classify, and extract 22+ structural engineering parameters** from complex **RCC drawings**.
- Integrated a **Retrieval-Augmented Generation (RAG)** system using **ChromaDB** to process highly unstructured **IS 456–SP 34** standards (including images and tables), automating **compliance decisions** and generating **PDF reports**, reducing review time by **50%**.

EasyOps | *Python, FastAPI, React, LangGraph, PostgreSQL, Github MCP* | 🐙

March 2026 – April 2026

- Won 1st place (DevOps theme)** at **HackToFuture 4.0** (700+ teams). Autonomous CI/CD monitor via **LangGraph** multi-agents – auto-detects GitHub CI failures, traces root causes using **RSI (stored in pg)**, raises fix PRs, and enforces a **3-tier PR quality gate** with **Telegram moderation**.
- Designed a **Repository Structure Index (RSI)**, mapping entire codebases into a vector-indexed schema for precise AI code retrieval within LLM token limits.
- Implemented **pgvector episodic memory** (HNSW) for dynamic few-shot RAG on past fixes; built **vendor-agnostic CD adapters** for **AWS, GCP, Azure** via unified **CDFailureContext**.

SKILLS

Languages: C++, Python, JavaScript, TypeScript, SQL, HTML/CSS — **Familiar:** Java, Rust, Solidity

Frontend: ReactJS, NextJS, Redux, Tailwind CSS — **Backend:** NodeJS, NestJS, ExpressJS, FastAPI, JWT, Redis

GenAI: LangChain, LangGraph, Hugging Face, Ollama, MCP — **Databases:** PostgreSQL, MySQL, MongoDB, NoSQL

DevOps & Cloud: AWS (S3, EC2, IAM, Bedrock), Docker, GitHub Actions, CI/CD — **Tools:** Git, GitHub, Postman

Soft Skills: Problem Solving, Team Collaboration, Communication, Adaptability

LEADERSHIP & INVOLVEMENT

Web Head, NRL: Developed and maintained the **official club website** ↗.

PACE, NITK: Leading projects and contributing to technical club initiatives.

HackToFuture 4.0 – WINNER (DevOps Theme): 1st place out of **700+ teams** for *EasyOps* ↗ – autonomous AI-powered CI/CD agent with multi-cloud support.

EthOnline'25: Built *FitStake* ↗ – decent. fitness staking platform with smart contracts and on-chain activity tracking.

EthGlobal'25, New Delhi: Built *PokeWars* ↗ – on-chain RPG shooter with a blockchain marketplace.