Nishant Raj

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Experience

Full Stack Developer (Intern) *India · Remote*
Bitwrap Technologies *July 2025 – Nov 2025*

- Designed and delivered an **end-to-end quotation automation system**, reducing manual quote generation time by **80%** through optimized backend workflows and data processing.
- Built and scaled backend services for a **maritime traffic platform**, managing user systems, admin operations, and large-scale geospatial datasets for real-time, high-throughput operations.

Full Stack Developer (Intern) *Bangalore,India · Remote*
Frantiger Business Consulting *Mar 2025 – May 2025*

- Migrated a legacy WordPress application to a modern MERN stack, designing scalable backend services with **Node.js** and optimized data flows for long-term maintainability.
- Achieved **50% performance improvement** by resolving API bottlenecks, optimizing database queries, and refactoring backend logic to reduce response latency and improve system reliability.

Skills

Languages:	JavaScript (ES6+), TypeScript, Go (Golang), Python
Frontend:	React.js, Next.js, Tailwind CSS, CSR, SSR
Backend:	Node.js, Express.js, FastAPI, Fiber (Go), REST APIs, SQL, NoSQL, Redis
Tools & DevOps:	Docker, Git, Linux (Arch), CI/CD, Postman, n8n, Copilot, Ollama
Testing:	Jest, Go Testing, Integration Testing, API Testing, Postman Newman

Projects

DTIX - Ticketing and NFT Marketplace Platform *Live Demo ↗ - GitHub ↗*

- Designed and built a full-stack ticketing and NFT marketplace platform using **React.js, Node.js, MongoDB**, supporting live auctions, ticket resale workflows, user authentication, and scalable REST APIs.
- Implemented **AI-powered event discovery** with Gemini LLM, **real-time bidding** via Socket.io/WebSockets, and **secure fiat and crypto payments** using Stripe and MoonPay.

Reddit Analytics and Dashboard *Live Demo ↗ - GitHub ↗*

- Built a **real-time data ingestion and processing pipeline** using **Apache Kafka and PySpark** to stream, clean, and perform sentiment analysis on high-volume Reddit data, persisting results in **MongoDB**.
- Developed an **interactive analytics dashboard** with **Plotly Dash** to visualize real-time trends, sentiment scores, and user engagement metrics from continuously updated datasets.

Four Rows Game *Live Demo ↗ - GitHub ↗*

- Architected a **real-time multiplayer 4 Rows Game** using a **Go-based microservices backend** and **React + TypeScript frontend**, enabling low-latency gameplay via **WebSocket-based bidirectional communication**.
- Designed an **event-driven system** with **Apache Kafka** to decouple game logic and analytics, implementing **deployment with Docker** and maintaining **separate SQLite databases** for game state and telemetry.

Hackathons

- **Unstoppable Hackathon (AOSSIE)** — Built an ErgoScript visual code editor *(1st Position)*
- **HIVEIndia Hackathon** — Integrated Hive blockchain into a dApp *(5th Position)*
- **HackJKLU Hackathon** — Developed a ticket reselling platform with a novel twist *(4th Position)*

Education

JK Lakshmipat University, India (BTech CSE) *2022-2026*