

Kanhaiya Kumar Jha

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SUMMARY

Aspiring Full Stack Developer & AI Enthusiast with expertise in MERN stack, Next.js 14, real-time WebSocket systems, and on-device ML. Passionate about engineering high-performance, low-latency applications with clean architecture and robust security. Proven track record in building dynamic rule engines, developer tools, and competitive platforms.

EDUCATION

Marwadi University

Bachelor of Technology in Computer Engineering

Rajkot, Gujarat, India

2024 – Present

PROJECTS

Sentinel Android | *Java, Android SDK, On-Device ML, PhishShield*

[Live Demo](#) | [GitHub Repository](#)

Live Demo & Repo

On-Device Security Engine

- Engineered on-device, real-time phishing and scam detection safeguarding mobile users against deceptive SMS, malicious URLs, and zero-day threats with zero cloud latency.
- Developed lightweight heuristic rule engines and pattern classification running in background daemons with minimal battery and memory overhead.

RedAnts Live PT | *TypeScript, React.js, Tailwind CSS, Dynamic Rule Engine*

[redants-pt.vercel.app](#) | [GitHub Repository](#)

Production Web App

Esports Tournament Engine

- Architected a high-performance tournament scoring and leaderboard engine featuring dynamic matrices, tie-breakers, and automated point table generation.
- Built an ergonomic, ultra-responsive UI allowing esports organizers to calculate live match placements instantaneously.

EsCrow-Pay | *TypeScript, Next.js 14, React.js, Tailwind CSS, FinTech*

[escrow-pay.onrender.com](#) | [GitHub Repository](#)

Production Web App

Milestone Escrow Portal

- Engineered a secure conditional transaction escrow portal safeguarding digital funds across verifiable milestones prior to disbursement.
- Designed dispute resolution workflows and transaction history dashboards built with type-safe Next.js architecture.

JIGRI – Online Compiler | *TypeScript, React.js, Node.js, Express, Sandbox APIs*

[jigri-nine.vercel.app](#) | [GitHub Repository](#)

Production Web App

Web IDE Sandbox

- Developed a fast, browser-based multi-language code compilation playground with real-time diagnostics and standard output streaming.
- Integrated backend sandbox services for isolated execution and built an ergonomic code editor interface.

GitHub Commit Leaderboard | *JavaScript, React.js, Node.js, Express, GitHub REST API*

[leaderboard-friendly.onrender.com](#) | [GitHub Repository](#)

Production Web App

Developer Ranking Tool

- Built a real-time developer leaderboard ingesting GitHub REST API telemetry to compare commit frequencies, streaks, and repository growth.
- Implemented dynamic ranking algorithms and optimized API caching to mitigate rate limits and ensure fluid visualizations.

Skribbl.io Clone | *MERN Stack, Socket.io, WebSockets, HTML5 Canvas*

[Live Demo](#) | [GitHub Repository](#)

Production Web App

Real-Time Multiplayer Arena

- Developed an interactive multiplayer drawing and guessing game using WebSocket duplex pipelines for sub-50ms synchronized canvas strokes.
- Integrated multi-room chat, turn management, real-time scoreboards, and automated word validation.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, C, C#

AI & Machine Learning: Model Training, Neural Networks, Loss Optimization, On-Device ML, Scikit-Learn, NumPy

Frontend Development: React.js, Next.js 14, HTML5, Modern CSS, Tailwind CSS, Three.js, WebGL

Backend & Real-Time: Node.js, Express.js, Socket.io, WebSockets, RESTful APIs

Databases & Cloud: MongoDB, Supabase, MySQL, SQLite, Git, GitHub, Vercel, Render, Postman, VS Code

ACHIEVEMENTS & EXTRA-CURRICULAR

National Kabaddi Gold Medalist: Secured Gold Medal at the National Sub-Junior Kabaddi Championship with team; cultivated high-pressure decision-making, strategic teamwork, and peak athletic discipline.

Esports Tech Creator: Architected the dynamic rule engine for RedAnts Live PT, automating scoring systems for competitive tournaments.

Content Creator (YouTube – JhajiOG): Produce digital gaming and entertainment media, developing skills in live broadcasting, creative audience engagement, and community building.