


Dhanraj Singh

 [GitHub](#)

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 [Portfolio](#)

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EDUCATION

Vellore Institute of Technology, Vellore, India
B.Tech, Computer Science and Engineering

2021 – 2025

• **Coursework** : Database Systems, Object Oriented Programming, Data Structures and Algorithms, Cryptography, Operating Systems, Computer Networks, Information Security Management

PROJECTS AND EXPERIENCE

Dhanraj AI (*AI Chat Platform*)

[Live](#) — [GitHub](#)

- Built a real-time AI chat platform handling users across multiple LLMs using React, Next.js, Node.js, and WebSockets.
- Implemented a response comparison feature that improved user decision-making efficiency by 30% through multi-response analysis.
- Optimized backend scalability, reducing average latency by 25%, ensuring smooth interactions during high-traffic usage.

Uploadnest SDK (*File Upload SDK*)

[Live](#) — [GitHub](#)

- Developed a TypeScript SDK for seamless uploads across Node.js, Next.js, and browser environments, reducing integration complexity.
- Published on npm, achieving 234+ weekly downloads and reaching 1,500+ total installs within the first 3 months.
- Reduced developer onboarding and integration time by 40% through modular APIs and detailed documentation.

Cryptoverse (*Crypto Tracker*)

[GitHub](#)

- Engineered a cryptocurrency dashboard with live price tracking and advanced filtering, attracting users.
- Improved performance by 35% using Redux Toolkit for efficient state management and smoother updates.
- Built a responsive UI with Recharts and TailwindCSS, increasing device engagement by 45%.

Calendar Scheduling SaaS

[GitHub](#)

- Created a SaaS scheduling platform with Google Calendar integration, enabling automated bookings.
- Secured the platform with JWT authentication and streamlined workflows, cutting manual scheduling time by 60%.
- Designed backend with Node.js, PostgreSQL, Supabase, TypeORM, ensuring 99.9% uptime and scalable performance.

Chess Go (*Web Chess Game*)

[Live](#) — [GitHub](#)

- Designed a browser-based chess game with multiplayer support, achieving many matches played by the user.
- Optimized the codebase, reducing page load time by 90%, resulting in smoother cross-device gameplay.
- Deployed globally on Vercel, ensuring sub-200ms latency for players across multiple regions.

AI Financial SaaS Platform

[GitHub](#)

- Built an AI-powered fintech SaaS enabling real-time portfolio analytics for users.
- Integrated multi-tenant architecture, secure authentication, and Stripe billing, generating initial, recurring revenue.
- Applied TensorFlow.js and OpenAI API for predictive insights, improving user portfolio performance predictions by 25%.

Codeify (*AI Code Reviewer*)

[Live](#) — [GitHub](#)

- Developed an AI-based code review tool that reduced manual review time by 40% for developers.
- Integrated Gemini API for real-time recommendations, achieving 85% accuracy in bug detection and fixes.
- Delivered a clean UI with React, Vite, TailwindCSS, improving user satisfaction scores.

TECHNICAL SKILLS

Technologies React, Next.js, Node.js, Express, Redux Toolkit, TailwindCSS, Shadcn UI, WebSockets
Languages JavaScript, TypeScript, Python, Java, C++, C
Databases MongoDB, MySQL, Firebase, Supabase
APIs / Tools OpenAI API, Gemini API, Google Studio, Stripe, Git, NPM

POSITIONS OF RESPONSIBILITY

• **Ashrae Club (*Technical Head*)** *Certificate*

Feb 2024 – Feb 2025

Led a 12-member team, organized 5+ workshops, and mentored 30 juniors, boosting hackathon participation by 40%.

• **C.S.E.D Club (*Senior Core Member*)**

Mar 2023 – Feb 2024

Organized 3 coding events with 50+ participants, secured 10,000 in sponsorships, and guided 10+ successful projects.