Dhruva Kushwaha

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Education

Bachelor of Technology (B.Tech) 📅 2021–2025
LNCT College of Technology, Bhopal 📍 *Bhopal, Madhya Pradesh, India*

Skills

- **Programming Languages:** TypeScript, JavaScript, Python, Golang
- **Frameworks & Libraries:** Next.js, React, Express, Socket.IO, Tailwind CSS, Prisma, Gin, NestJS
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Tools & Platforms:** Git, Docker, Linux, Vercel, CI/CD, Github Actions

Projects

Chai-lang *Golang, WebAssembly, React, Tailwind CSS, Typescript* [Github] [In Progress] 📅 2025

- Architected and developed a toy programming language from scratch in Go, emphasizing simplicity and ease of use.
- Engineered the compiler to target multiple platforms and WebAssembly, demonstrating expertise in low-level compilation and cross-platform compatibility.
- Integrated a React and Tailwind CSS-based frontend to provide an intuitive user interface for code editing and execution.
- Successfully enabled client-side code execution in browsers through WebAssembly, showcasing innovative application of web technologies.

sm-go-next *Next.js, Golang, Socket.IO, Drizzle, Cloudinary, Tailwind CSS, Typescript* [Github] [In Progress] 📅 2025

- Designed and implemented a full-stack social media platform with real-time features, facilitating dynamic user interaction and engagement.
- Developed a super-responsive UI with Next.js and Tailwind CSS, incorporating optimistic UI updates for a seamless and instantaneous user experience.
- Leveraged Socket.IO to enable real-time messaging, notifications, and live content updates, enhancing user connectivity.
- Built a scalable and maintainable monorepo architecture, ensuring efficient package reuse across frontend and backend services.
- Ensured robust type safety and improved code quality by fully typing both frontend and backend with TypeScript.
- Integrated Cloudinary for efficient media management, handling image and video uploads seamlessly.

Shrinkr *Next.js, Golang, Zod, Tailwind, PostgresSQL, Typescript, Docker* [Github] 📅 2025

- A full stack short url tracker platform.
- User can short url with custom backhalf, Generate QR with logo and keep tracks of shorten links.
- Built with Next.js, Golang, Zod, Stripe for payments, and react charts for Analytics.

rps-multiplayer *Javascript, Docker, Docker, Express* [Github] 📅 2025

- Real time gameplay using WebSockets.
- Matchmaking between online players.
- Score Tracking and game history.
- Fast and lightweight backend.

Creator – Seekh Dev (https://youtube.com/@seekhdev) [Website]

- Write and record tutorials on software development, backend architecture, and systems design.