TARUN MEHARWAL

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PROFESSIONAL SUMMARY

Full-Stack Developer with 1.5+ years of professional development experience building, deploying, and maintaining web applications using React.js, Next.js, Node.js, Express.js, and MongoDB. Experienced in responsive UI development, REST APIs, authentication, payment gateway integrations, database management, and production deployment. Skilled in troubleshooting production issues, optimizing application performance, and developing end-to-end web solutions.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, PHP
- **Frontend:** HTML5, CSS3, React.js, Next.js, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, Socket.io
- **Databases:** MongoDB, PostgreSQL, Prisma
- **Auth & Payments:** JWT, Google OAuth, Email OTP, Razorpay, HDFC SmartGateway
- **Tools & Deployment:** Git, GitHub, Figma, Vercel, Linux, VPS, Nginx, Cloudflare R2
- **AI-Assisted Development:** Antigravity, Cursor, Claude, ChatGPT

PROFESSIONAL EXPERIENCE

Full-Stack Developer | The Leadership Chronicle | Remote | Project-Based | Live Site **Jun 2026 – Present**

Tech: Next.js 16, React 19, TypeScript, MongoDB, Tailwind CSS, Cloudflare R2

- Built and deployed a digital publishing platform from scratch, including frontend, backend, database integration, and a custom content management system for leadership, cybersecurity, and technology articles.
- Cut image payload size by up to 95% and eliminated HTTP 413 errors by building a Tiptap-to-Cloudflare R2 upload pipeline that replaces inline Base64 images with CDN URLs.
- Improved data fetching and page revalidation using React Server Components, React cache(), and Incremental Static Regeneration (ISR).
- Maintain the production website by troubleshooting bugs, resolving rendering and caching issues, and optimizing performance.
- Implemented configurable homepage sections and secured admin endpoints with HTTP-only JWT cookies and bcrypt password hashing.

Full-Stack Developer | Paradise Yatra | Dehradun, India | Live Site **Dec 2025 – Feb 2026**

Tech: Next.js, Node.js, Express.js, MongoDB, Razorpay, Cloudinary

- Developed a responsive travel booking platform with package pages, dynamic content, and a complete booking workflow.
- Integrated Razorpay with server-side payment verification and webhook handling for secure checkout.
- Implemented Google OAuth and JWT-based authentication.
- Built admin dashboard features with Cloudinary media uploads.

Full-Stack Developer | Meritroot Pvt. Ltd. | Dehradun, India | Live Site **May 2024 – Jun 2025**

Tech: Next.js, React.js, Node.js, Express.js, MongoDB, Tailwind CSS

- Developed features for an EdTech platform for JEE, NEET, and academic students, covering registration, onboarding, and course enrollment.
- Built reusable React components and responsive, exam-specific UI themes using React Context.
- Implemented email OTP verification, JWT authentication, and role-based access for students and admins.
- Integrated HDFC SmartGateway for course payments with server-side HMAC signature verification.
- Built admin features to manage leads, student records, and courses; deployed the platform on a Linux VPS with Nginx.

PROJECTS

Charcha – Real-Time Chat App | Live Demo

Tech: Next.js, Socket.io, Node.js, MongoDB, Cloudinary

- Built a real-time chat app with live messaging, typing indicators, online and last-seen status, and read receipts using Socket.io.
- Added message replies, emoji reactions, delete for everyone, and image, video, and document sharing with client-side image compression.
- Developed 24-hour status updates with viewer tracking and auto-expiry, plus a friend request system.
- Secured the app with JWT and Google OAuth login, and encrypted stored messages with AES.

Raphael AI – Chat with Your PDFs | Live Demo

Tech: Next.js, Supabase, PostgreSQL, pgvector, Gemini, Groq, OpenRouter

- Built a multi-tenant RAG platform where users chat with large PDFs and get answers with page-level citations.
- Implemented hybrid retrieval combining pgvector semantic search with PostgreSQL full-text search, merged using Reciprocal Rank Fusion (RRF).
- Added document-grounding checks so the AI declines to answer when the document lacks the information.
- Implemented streaming responses with fallback across multiple AI providers (Groq, Gemini, OpenRouter).
- Built follow-up query rewriting and an evaluation tool measuring retrieval hit rate, citation accuracy, and latency.

EDUCATION

Bachelor of Computer Applications (BCA) | Graphic Era Hill University, Dehradun **2020 – 2023**