ARPIT YADAV

Frontend Engineer — Full-Stack Developer — AI Integration Specialist

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📍 New Delhi, India

Professional Summary

Frontend Engineer with 7+ months of production experience building scalable, AI-driven web applications. Specialized in React.js, Next.js, and full-stack development with proven track record of independently scaling products from inception to deployment. Founded Nonomate, connecting 1000+ students with verified internships. Expert in modern web technologies, AI integration, and building high-performance applications.

Technical Skills

Frontend: React.js, Next.js 14 (App Router), TypeScript, Tailwind CSS, Redux, Zustand, React Query, Responsive Design
Backend: Node.js, Express.js, RESTful APIs, Server Actions, WebSockets (Socket.io), Microservices
AI/ML Integration: OpenAI API (GPT-4, Whisper), Vapi.ai, AI Chatbot Development, Voice Assistants, LangChain
Databases: MongoDB, PostgreSQL, Prisma ORM, Redis (caching)
DevOps & Tools: Git, Docker, CI/CD (GitHub Actions), Vercel, AWS basics, Performance Optimization
Testing: Jest, React Testing Library, Playwright (E2E)
Languages: JavaScript (ES6+), TypeScript, Python (basics), C, HTML5, CSS3

Professional Experience

Full Stack Next.js Developer   **November 2024 – June 2025**
RightHome AI   *New Delhi, India*

- Architected and deployed **real-time AI chatbot** using Next.js 14 and OpenAI GPT-4 API, processing **500+ daily queries** with 95% accuracy
- Built full-stack application with **Next.js, TypeScript, Express.js, and Tailwind CSS**, implementing RESTful APIs and WebSocket connections
- Integrated **Vapi.ai voice assistant** for text/voice inputs, reducing user query time by **40%**
- Engineered property search system with web scraping and dynamic filtering, aggregating **10K+ listings**
- **Optimized API response time by 35%** through Redis caching, pagination, and query optimization
- Achieved **95+ Lighthouse scores** and implemented mobile-first responsive design with 100% cross-browser compatibility
- **Promoted from intern to full product ownership** after demonstrating technical leadership and delivery capabilities

Featured Projects

AI Task Manager with Voice Input | *Next.js 14, TypeScript, Prisma, PostgreSQL, OpenAI API, Clerk Auth*
- Intelligent productivity app with **AI-powered task breakdown** and priority prediction
- **Voice-to-task conversion** using OpenAI Whisper API with 95% transcription accuracy
- Real-time collaboration with WebSocket integration supporting multiple users
- Comprehensive test coverage (85%) with Jest and React Testing Library
- Deployed with Docker, CI/CD pipeline, and monitoring (Sentry)

Real-Time Collaborative Whiteboard | *Next.js, Socket.io, Canvas API, Redis, TypeScript*
- Multi-user collaborative drawing tool with **real-time cursor tracking** and synchronization
- Implemented undo/redo functionality with efficient state management
- Optimized for performance handling **50+ concurrent users** with minimal latency
- Share-via-link feature with persistent storage in Redis

Education

JS University   **June 2022 – June 2025**
Bachelor of Computer Science – CGPA: 7.6

Harvard CS50   **July 2025**
Computer Science Certification – Online

Certifications & Achievements

Certifications: Harvard CS50 Computer Science (2025), freeCodeCamp: Back End Development & APIs, freeCodeCamp: Front End Development Libraries, Google Fundamentals of Digital Marketing
Achievements: 100+ LeetCode problems solved (focusing on frontend-relevant DSA), Preparing for NIMCET 2026 (MCA entrance examination), Open source contributor, Founded successful EdTech startup reaching 1000+ users