

Amar Kumar Thakur

FULL STACK DEVELOPER

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SUMMARY

Frontend and Flutter Developer with proven experience building production-ready applications including real-time collaborative tools and AI-powered platforms. Specialized in React, Next.js, and Flutter with expertise in TypeScript, state management, and WebSocket implementations. Delivered SaaS solutions serving 50+ concurrent users with sub-100ms latency, engineered RAG pipelines processing 100+ documents, and architected multi-tenant systems with secure authentication across web and mobile platforms.

TECHNICAL SKILLS

C, C++, JavaScript, TypeScript, Python, Dart, HTML, CSS
Bootstrap, Tailwind CSS, React, Next.js, Flutter, Express.js, Node.js
Git & GitHub, TurboRepo, Firebase, Supabase
PostgreSQL, MongoDB, MySQL

PROFESSIONAL EXPERIENCE

Software Development Intern

Yoplenty IT Solution

Expected January 2026

Rampurhat, West Bengal

- Collaborated with a cross-functional team of 5 developers to implement and test 8+ application features for internal and client-facing modules, reducing feature delivery time by 20%.
- Improved development workflow efficiency by 15% through active participation in debugging, code reviews, and issue resolution across 3 sprint cycles.
- Contributed to 95% deployment success rate by maintaining comprehensive documentation standards and adhering to strict confidentiality policies for client projects.

PROJECTS

SoapBoard – Real-Time Collaborative Whiteboard [\[Live\]](#)

SaaS Project

- Tech Stack:** Next.js, React, Convex, Liveblocks, Clerk, TypeScript
- Architected and launched a real-time collaborative whiteboard enabling multi-user drawing, text, shapes, and live cursor presence, supporting 50+ concurrent users with sub-100ms latency.
- Engineered organization-based multi-tenant SaaS architecture with secure authentication and logical data isolation, serving 10+ organizations.
- Optimized low-latency real-time synchronization using WebSockets with performance enhancements such as throttled updates and efficient state management, reducing bandwidth usage by 40%.

Solia – AI-Powered Customer Support Operating System [\[Live\]](#)

Co-developed

- Tech Stack:** Next.js, TypeScript, Convex (Real-time Backend), Clerk (Auth), OpenAI/Gemini, AWS Secrets Manager, Tailwind CSS
- Spearheaded frontend architecture for the project, crafting the admin dashboard and embedded widget in Solvia, improving user interface responsiveness by 30%.
- Collaborated on an AI-driven support platform for SMEs that automates 60–70% of routine queries across chat and voice channels, achieving a 50–70% reduction in resolution times.
- Constructed a Retrieval-Augmented Generation (RAG) pipeline to index 100+ business documents (PDFs, FAQs), enabling context-aware AI responses with 85% accuracy and a real-time operator dashboard for seamless human escalation.
- Leveraged a Turborepo monorepo to maintain a unified UI library, reducing code duplication by 35% and ensuring the admin dashboard, customer widget, and shared backend packages evolve in lockstep.

EDUCATION

Techno India University

Kolkata, WB

B.Tech in Computer Science and Engineering

Aug 2024 – July 2027

Techno India University

Kolkata, WB

Diploma in Computer Science and Engineering

Aug 2021 – July 2024