

Pratham Sharma

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SUMMARY

Full Stack & AI Engineer with 3 years building scalable web applications and AI-powered systems across distributed, remote-first teams. Reduced data pipeline processing time by 99% and improved page load performance by 35%. Strong in React, TypeScript, Node.js, and RAG/LLM systems with a system design and API development focus.

EDUCATION

B.Tech in Computer Science, Guru Gobind Singh Indraprastha University, Delhi | GPA: **9.4/10** | 2020 – 2024

SKILLS SUMMARY

- **Languages:** JavaScript, TypeScript, Java, Python
- **Frameworks:** React, Next.js 14, Node.js, Express, Spring Boot, FastAPI
- **AI / ML:** LangChain, Claude Code, RAG Pipelines, Pinecone, Gemini Flash, Embeddings
- **Databases:** MongoDB, PostgreSQL, DynamoDB, Redis, Firebase, Supabase
- **Cloud / DevOps:** AWS (EC2, S3, Amplify), Vercel, Railway, Docker, Apache Kafka
- **Other Skills:** System Design, Data Structures and Algorithms, REST APIs, WebSockets, GraphQL
- **Other Tools:** Redux, Zustand, ShadCN, Storybook, Tailwind CSS, Three.js, GSAP, Stripe

CERTIFICATIONS & ACHIEVEMENTS

- **LeetCode Knight:** Ranked **#355 globally** on LeetCode.
- **npm Library:** **@pratham7711/ui** – Published 18-component React library (dark-first theme, ShadCN, Storybook docs) used by external projects.
- **NodeJS – The Complete Guide (MVC, REST APIs, GraphQL, Deno):** Academind by Maximilian Schwarzmüller – Udemy.
- **Java Spring Framework, Spring Boot, Spring AI – Gen AI:** Navin Reddy, Telusko Edutech – Udemy.

PROFESSIONAL EXPERIENCE

- **Leegality** Remote, IN
Software Engineer II *May 2025 – Present*
 - **Co-authoring Platform:** Architected a real-time co-authoring eSigning platform (React, TypeScript, Zustand, Redux-Saga) following **agile methodologies**, collaborating asynchronously with design and product teams across time zones, and **reducing document workflow time by 40%**.
 - **AI Document Review & Smart Extraction:** Built **AI Review** (rule/ruleset-based validation) and **AI Smart Extraction** (LLM-driven field extraction from contracts), plus **Bulk** pipelines processing documents **at scale** with concurrency-safe job orchestration – adopted by enterprise clients to automate manual contract review.
 - **AI Chatbot SDK & API Development:** Shipped an embedded AI Chatbot SDK as a reusable React component with **RESTful API development** for backend integration, adopted by **5+ client teams** and reducing manual customer escalations by **60%**.
 - **AI-Augmented Development:** Leveraged **agentic AI workflows** (Claude Code, prompt engineering, generative AI tools) to accelerate feature delivery by **40%**, automating boilerplate, code reviews, and technical documentation – establishing **AI-assisted DevOps practices** across the team.
 - **Performance & Testing:** Optimized rendering with memoization, lazy loading, and code splitting – achieving **35% faster page loads** and **90+ Lighthouse scores**; maintained **80%+ test coverage** with Jest and React Testing Library, enforcing **continuous integration** via automated test pipelines.
- **Salescode.ai** Gurugram, IN
Software Development Engineer *January 2023 – May 2025*
 - **Frontend Engineering:** Developed user-facing dashboards and analytics interfaces in **React** and **TypeScript** serving **200+ enterprise users**, building reusable chart components and data tables that improved reporting workflow efficiency by **25%**.
 - **Pipeline Optimization:** Eliminated a critical 6–9 hour data processing bottleneck – reduced processing time by **99%** (to under 5 minutes) by rewriting the Java ETL layer with optimized batch processing and query tuning.
 - **Event-Driven Architecture:** Designed **Apache Kafka** event pipelines achieving **40% throughput increase** and **25% latency reduction** across real-time data ingestion layers, implementing **continuous integration** with automated testing gates.
 - **Software Architecture & Documentation:** Contributed to **software architecture** decisions for scalable backend services and authored **technical documentation** for 3 core systems, reducing review cycle time by **30%** and enabling new engineers to contribute within **2 weeks**.
- **Realtos** Remote, IN
Software Development Engineer *March 2023 – August 2023*
 - **Full Platform Build:** Built the entire PropTech platform frontend from scratch using **ReactJS** and **TypeScript**, delivering a production-ready real estate web application in **12 weeks** with **500+ initial users**; deployed on **AWS EC2 + Amplify** maintaining **99.99% uptime**.
 - **Cross-Functional Collaboration & Code Quality:** Translated Figma wireframes into pixel-perfect responsive components, shipping **12 features** across 2 sprint cycles with zero rework; conducted **code reviews** enforcing **web development** and HTML5/CSS3 standards.

PROJECTS

- **Megakernel TTS** (CUDA, PyTorch, Qwen3-TTS, Pipecat, RTX 5090): Adapted AlpinDale's 1,200-line persistent **CUDA** megakernel into the talker-decode backend for a **Qwen3-TTS** voice model, retuning the kernel constants and multi-section rotary embeddings, then streamed it end to end through Pipecat with a Groq LLM and Deepgram speech-to-text. The megakernel-backed decoder reached **25ms** time-to-first-chunk (RTF 0.12) on an RTX 5090.
- **DocMind AI** (Next.js 14, FastAPI, LangChain, Pinecone): Built a full-stack RAG-powered document intelligence platform with streaming UI, **LangChain + Pinecone** vector search, delivering cited answers from PDFs with **sub-2s query response time** and support for **50+ page documents**.