Sachi Goyal

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EDUCATION

Government College for Girls, Ludhiana — May 2025
Bachelor's of Computer Applications (BCA) — *Percentage: 75%*

PROJECTS

BetterNews | *Next.js, TypeScript, Shadcn UI, Drizzle ORM, Better Auth, Neon DB* — Dec. 2025
- Built a Hacker News–style content aggregation platform with posts, comments, and upvotes
- Designed relational schemas for users, posts, comments, and votes using Drizzle ORM
- Implemented server actions, optimized queries, and SSR for fast initial load
- Focused on clean architecture, scalability, and production-ready patterns

Realtime Chat | *Next.js, TypeScript, Redis, Upstash Realtime, Elysia.js* — Dec. 2025
- Developed a real-time chat application using Upstash Realtime with live message delivery
- Implemented room-based messaging, TTL-based cleanup, and Redis-backed state management
- Designed authentication middleware and session validation for secure access

Profanity Checker | *Next.js, TypeScript, Upstash VectorDB, Cloudflare Workers, Hono.js, LangChain* — Nov. 2025
- Built an AI-powered profanity detection system for moderating user-generated content
- Used LangChain text splitters to chunk and preprocess input for accurate semantic analysis
- Leveraged Upstash VectorDB for similarity search to detect contextual and disguised profanity
- Deployed a low-latency API on Cloudflare Workers using Hono.js for edge execution

Glimpsy | *Next.js, TypeScript, Shadcn UI, Gemini API, Tailwind CSS* — Jun. 2025
- Developed a seamless media generation tool that converts text into AI-generated images and speech using the Gemini API
- Designed a minimal, responsive interface with Shadcn UI and Tailwind, enabling real-time output without user signups
- Implemented clean architecture with modular, type-safe components and efficient API handling in Next.js

Stashly | *Next.js, TypeScript, Shadcn UI, ImageKit, Clerk, Drizzle ORM, Neon DB* — May 2025
- Built a secure image storage and sharing platform with authenticated access control
- Integrated Clerk for secure auth and protected route
- Used ImageKit for fast, optimized image uploads and delivery
- Managed schema and queries with Drizzle ORM and Neon's serverless Postgres

LinkED | *Next.js, TypeScript, Shadcn UI, Tailwind CSS, MongoDB* — May 2025
- Built a minimal and performant URL shortener service with branded short links
- Implemented analytics including click tracking and metadata previews
- Designed a clean UI with Shadcn and Tailwind CSS, ensuring responsive and accessible UX
- Supports magic links and unique slugs for easy recall and sharing

SKILLS

Languages: C, C++, JavaScript, TypeScript
Tools: Git, GitHub, VS Code, Cursor
Frameworks: React, Next.js, Node.js
Frontend: TailwindCSS, Shadcn UI, Radix UI
Database : MongoDB, PostgreSQL, MySQL, Upstash VectorDB
Backend : Express.js, Drizzle ORM, Prisma, Hono.js, Redis, Elysia.js

EXPERIENCE

arc1 | *Intern* — Jul. 2025
- Contributed to open-source projects at arc1, focusing on reusable frontend components