

# Shubham Giri

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## SUMMARY

Self-taught full-stack developer focused on building scalable and real-time web applications. Interested in backend systems, performance optimization, Linux, and developer tooling. Strong foundation in JavaScript ecosystems and system design fundamentals, with hands-on experience building production-style projects.

## SKILLS

**Languages:** JavaScript, TypeScript, Go, Python

**Frontend:** React, Next.js, TailwindCSS, Astro

**Backend:** Node.js, Express, REST APIs

**Databases:** PostgreSQL, MongoDB, Vector DB

**Tools & Platforms:** Git, Docker, Linux, AWS S3, Vercel

## PROJECTS

### 1. VoidChat (Real-time Messaging System) [Live](#) • [GitHub](#)

- Built a real-time messaging system using reactive architecture for instant message synchronization across clients
- Implemented session-based identity handling and dynamic chat state management using Convex
- Reduced unnecessary UI re-renders through optimized client-side state updates and component structure
- Designed responsive chat interfaces with TailwindCSS and Shadcn UI for consistent cross-device experience

*Tech:* Next.js, TypeScript, Convex

### 2. XAI (Multi-Model LLM Platform) [Live](#) • [GitHub](#)

- Built a unified multi-model AI platform supporting interactions across different LLM providers
- Implemented BYOK authentication flow allowing users to securely manage and use personal API keys
- Designed modular provider abstraction layer for extensible OpenAI/OpenRouter model integrations
- Implemented streaming responses and scalable request handling for concurrent AI interactions

*Tech:* Next.js, PostgreSQL, Vercel, AI SDK, Better Auth

### 3. Docify (RAG-based Knowledge Assistant) • [GitHub](#)

- Developed a RAG-based knowledge assistant for contextual document querying and semantic retrieval
- Implemented vector embedding pipelines for accurate similarity search across uploaded documents
- Built document ingestion and preprocessing workflows for parsing, chunking, and storage
- Integrated voice-based summaries to improve accessibility and content understanding

*Tech:* Next.js, PostgreSQL, Vector DB, AWS S3

## EDUCATION

**Master of Computer Applications (MCA)** IGNOU

2024 – Present

CGPA: 6.8

**Bachelor of Science (B.Sc.) in Mathematics** Delhi University

2020 – 2023

CGPA: 8.1

## TECHNICAL HIGHLIGHTS

- Solved Advent of Code challenges focused on algorithmic and systems-oriented problem solving [\[Solutions\]](#)
- Write technical blogs covering caching, backend systems, Linux tooling, and web performance concepts [\[Blog\]](#)
- Continuously study software engineering fundamentals through systems design and backend architecture literature

