

GAGAN THAKUR

Mandi, Himachal Pradesh

☎ +91 82199 63388 | ✉ talk2gagan09@gmail.com | [linkedin.com/in/gagan-thakur-704779349](https://www.linkedin.com/in/gagan-thakur-704779349) | github.com/seika-afk | [LeetCode](#)

EDUCATION

National Institute of Technology, Hamirpur

B.Tech in Electronics and Communication Engineering

Aug. 2024 – Aug. 2028 (Expected)

CGPA: 7.2/ 10

Swami Vivekanand Sr. Sec. School

High School

Apr. 2010 – Apr. 2023

Mandi, India

TECHNICAL SKILLS

Languages:	JavaScript, TypeScript, Python
Frontend & Backend:	React, Next.js, Node.js, Express.js, HTML, CSS, TailwindCSS, RESTful APIs
Databases:	MongoDB, PostgreSQL, SQL, Supabase
DevOps & Tools:	Git, GitHub, Docker, Kubernetes, GitHub Actions, Vercel
Specialized Skills:	Socket.io, WebSockets, LangChain, LangGraph, LangSmith
Soft Skills:	Team Collaboration, Technical Documentation, Problem-Solving, Adaptability

EXPERIENCE

Open Source Contributor

2024 – Present

Various Organizations (Fossology, SunPy, MoFA, Libpysal, Openchangelog)

Remote

- Contributed to multiple open-source repositories by fixing issues, improving documentation, and submitting pull requests.
- Collaborated with maintainers through GitHub discussions, code reviews, and issue tracking.

PROJECTS

Pairleet – Competitive Paired-Coding Platform [\[GitHub\]](#) | [\[Live\]](#) *TypeScript · Next.js · Clerk · MongoDB · WebSockets*

- Built a real-time platform for solving problems collaboratively, featuring private contests with live chat and a leaderboard.
- Implemented multi-panel room layouts, authentication via Clerk, and real-time synchronization using WebSockets.

SystemDraw – System Design Simulator [\[GitHub\]](#) | [\[Live\]](#)

Next.js · TypeScript · Zustand · TailwindCSS

- Built an interactive tool to design and simulate system architecture using real cloud providers (AWS, Azure, etc.) with live cost estimation.
- Implemented an infinite canvas with draggable, resizable components and dynamic pricing models for cloud services.

Aizen – Conversational AI Image Editor [\[GitHub\]](#)

Next.js · TypeScript · AI Image Generation API

- Built a web-based image editor that lets users transform and refine images through natural-language chat prompts.
- Integrated an AI image generation pipeline to interpret conversational instructions and apply edits in real time.

Leaflet – Markdown Blog Hosting Platform [\[GitHub\]](#) | [\[Live\]](#)

PERN Stack · React · Express.js · Supabase

- Developed a minimal platform for hosting and publishing Markdown blogs with a full-stack PERN architecture.
- Implemented Markdown rendering, database schema with row-level security, and RESTful backend integration via Supabase.

ACHIEVEMENTS

- Solved **250+** **Data Structures and Algorithms** questions and completed the **NeetCode 150** roadmap twice.
- Active contributor to open-source projects including Fossology, SunPy, MoFA, and Libpysal.
- Participated in multiple hackathons including Smart India Hackathon and ComputeHive.

INTERESTS

- Digital art and creative visual design
- Literature and story writing
- Building personal software projects