Gaganpreet Singh

Full Stack Developer
+91 7888631693 | Ropar, Punjab, India | gaganxdhiman@gmail.com
GitHub: github.com/gaganxdhiman | LinkedIn: linkedin.com/in/gaganpreet-singh-635279342/
Portfolio: gagandhiman.vercel.app

SUMMARY

Full Stack Developer with hands on experience with production web applications using React, Next.js, Node.js, MongoDB, PostgreSQL, and Supabase. Experienced in authentication, RBAC, REST APIs, vector search, and AI-powered applications.

EDUCATION

Government College Ropar (Punjabi University, Patiala) Aug 2023 – May 2026
Bachelor of Computer Applications (BCA) | CGPA: 7.0/10.0

EXPERIENCE

Full Stack Developer Intern | *Oceaniek Technologies India | Mohali* Dec 2025 – Sep 2026

Syncrise.vercel.app | *Next.js, Supabase, Tailwind CSS*

- Co-engineered a **workforce management platform** for task management, attendance tracking, and team administration as part of a **2-developer team**, serving **40+ active users**.
- Implemented secure authentication, authorization and account workflows using **Supabase Auth**, including **email verification**, **password resets**, and **session management.**
- Built **Role-Based Access Control (RBAC)** across **User, Manager, and Super Admin** roles, protecting **10+ administrative routes** and feature permissions.
- Developed **department scoped task management** modules, enabling managers to delegate tasks, track **real-time progress**, and handle **verification workflows** across teams.

PROJECTS

AI Content Vault | *Next.js, Node.js, MongoDB Atlas, Mongoose, Gemini, Redis, Resend, Tailwind CSS*

- Built a full stack content management platform that allows users to **save and organize content from any platform**, with automatic metadata extraction for **YouTube, Instagram, and GitHub**.
- Engineered a hybrid RAG search pipeline combining **Gemini embeddings 2 model** and **MongoDB Atlas Vector Search** with automated **LLM re-ranking** and fallback routing, enabling natural language queries while maintaining high retrieval accuracy.
- Secured API infrastructure using **JWT authentication**, **Google OAuth**, **Resend OTP email verification**, and **Redis-based rate limiting** to prevent spam traffic and safeguard protected routes.

Chrome Extension | Chrome Extension Manifest V3, JavaScript, Google OAuth

- Developed and published a Chrome browser extension that enables users to save **YouTube videos** and **Instagram posts/reels** directly to their **AI Content Vault.**
- Built **dynamic content detection** and **UI injection** using content scripts, enabling one-click content saving with automatic metadata extraction and optional notes.

Abhilearn.in | *HTML, CSS, JavaScript, Supabase*

- Contributed to a live academic resource platform providing **university-specific previous-year question papers and study materials** for college students, with **2K+ users/visitors** since launch.
- Implemented **Supabase data operations** to store and retrieve academic resource metadata based on university, semester, subject, and year selections.
- Built the resource retrieval flow connecting user-selected filters with corresponding files in **Supabase Storage**, enabling students to access relevant question papers.

TECHNICAL SKILLS

Programming Languages: C++, C, JavaScript (ES6+), TypeScript, Python
Frontend: Next.js, React.js, Tailwind CSS, HTML, CSS, Framer Motion
Backend / APIs: Node.js, Express.js, REST APIs, JWT, Redis
Databases: MongoDB, PostgreSQL, Supabase, SQL
AI / Search: Gemini, OpenAI, Embeddings, Semantic Search, Vector Search
Tools / Technologies: Git, GitHub, Vercel, Postman