

CHINMAY SINGH

+91 8287962703 Email GitHub LinkedIn

SKILLS

- Languages: C++, JavaScript, TypeScript
- Frameworks: React.js, Node.js, Express.js, Next.js, PHP
- Databases: PostgreSQL, MongoDB, MySQL, Vespa
- Cloud & Tools: AWS, Firebase, Docker, Git, GitHub

EXPERIENCE

Product Engineer Intern

Jul 2025 – Present

Juspay

- Built a low-latency search system using PostgreSQL Full-Text Search and trigram-based similarity search (pg_trgm) with GIN indexes, achieving sub-100ms query latency on 50,000+ records across multiple entities.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline over a structured knowledge base, enabling context-aware LLM responses.
- Designed a flexible training module architecture supporting dynamic phases, steps, and dependencies, tightly integrated with the knowledge base.
- Implemented smooth real-time streaming text rendering using a queue-based buffering system for ordered, flicker-free LLM outputs.
- Tech Stack: React, TypeScript, PostgreSQL, pg_trgm, GIN Indexes, LLMs, RAG, AWS

Product Development Intern

Oct 2024 – Jul 2025

Inditech Health Solution

- Resolved production issues in live healthcare systems, ensuring high availability and minimal downtime.
- Built responsive web interfaces to streamline patient-doctor interactions and digital workflows.
- Improved operational efficiency by implementing doctor profiles for managing patient records and reports.
- Tech Stack: PHP, MySQL, AWS

PROJECTS

StreamZone — Video-sharing platform

- Built features for video uploads, channel management, JWT-based authentication, comments, likes, and basic video editing.
- Integrated Cloudinary with Multer for scalable media uploads and used MongoDB aggregation for analytics.
- Tech Stack: MERN

Backend Frontend

UniFind — College predictor platform

- Built backend APIs to analyze historical cutoff data and predict college allocation based on rank, quota, and domicile.
- Tech Stack: MERN

Live Code

EDUCATION

Bachelor of Technology, Bhagwan Parshuram Institute of Technology

Expected 2026

Computer Science Engineering CGPA: 8.662

Class XII, Neo Convent School

2021 – 2022

Science (Non-Medical) Percentage: 92

EXTRA-CURRICULAR ACTIVITIES

- Winner, Web-d-verse 2.0 Hackathon — built a full-stack e-commerce platform.
- Selected among Top 50 teams in Smart India Hackathon 2023.