

Shivam Jaiswal

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EDUCATION

Maharaja Agrasen Institute of Technology, Delhi 2022 – 2026
B.Tech in Electronics & Communication Engineering CGPA: 7.5/10

EXPERIENCE

Full-Stack Web Development Intern, Diginique TechLabs Jul 2024 – Aug 2024

In collaboration with iHUB DivyaSampark, IIT Roorkee

- Delivered assigned full-stack development tasks end-to-end under the guidance of the Lead Instructor, working across both frontend implementation and backend logic.
- Built and styled UI components on the frontend and connected them to backend endpoints, translating task requirements into working features.
- Fixed bugs flagged during code review and picked up standard engineering practices (clean commits, code readability, basic testing habits) under mentor guidance.

PROJECTS

Folio | React, Express, TypeScript, Prisma, PostgreSQL, Pinecone, LangChain, Groq [GitHub] [Website]

- Built two retrieval modes: a single-source mode scoped to one bookmark, and an ask-anything mode that searches all saved content and falls back to a live Tavily web search, clearly labeling web-sourced parts of the answer.
- Chunked and embedded each document into vector representations, storing them in Pinecone under per-user namespaces so one user's saved content is never visible to another.
- Implemented similarity search scoped to a specific saved item at query time, then passed the retrieved chunks to an LLM so answers stay grounded in the user's own content.
- Designed a two-database architecture where PostgreSQL stores bookmark metadata and Pinecone stores the vector embeddings, linked by a shared identifier across both systems.

Tapely | Next.js 16, TypeScript, Drizzle ORM, PostgreSQL, Better Auth, Groq API [GitHub] [Website]

- Built a kanban-style job application tracker with custom user-defined columns and drag-and-drop reordering, using a spaced-order scheme so moving one card never requires rewriting every other card's position.
- Added AI-assisted job entry that scrapes a pasted job posting URL and sends the content to Groq's LLM API, auto-filling company, role, salary, and tags for the user to review before saving.
- Migrated the application from MongoDB and Mongoose to PostgreSQL with Drizzle ORM, replacing manually maintained reference arrays with real foreign keys and cascading deletes.
- Layered route protection with a middleware session check for fast redirects and a page-level check that re-verifies resource ownership on every mutation, using Server Actions instead of API routes.

NetflixGPT | React, Firebase, TMDB API, Groq LLM [GitHub] [Website]

- Built a Netflix-inspired movie discovery app where users search and browse using natural language prompts instead of fixed genre filters.
- Integrated the TMDB API to pull movie metadata, posters, cast details, and ratings into a Netflix-style browsing interface.
- Used the Groq API to turn free-text prompts into personalized movies and show recommendations.
- Added Firebase authentication to support secure, personalized sessions across the app.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, C++, HTML5, CSS3
- **Frontend:** React.js, Next.js, Redux, Zustand, Tailwind CSS, ShadCN UI, Framer Motion
- **Backend:** Node.js, Express.js, FastAPI, REST API Design, WebSockets
- **AI / LLM Engineering:** RAG Architecture, LangChain, LangGraph, Groq API, OpenAI API
- **Databases & Vector Stores:** PostgreSQL, MongoDB, Pinecone, Supabase, Redis, Firebase, Prisma ORM, Drizzle ORM
- **Tools & Platforms:** Git/GitHub, Docker, AWS, Vercel

ACHIEVEMENTS

- **Problem Solving:** Solved 140+ Data Structures & Algorithms problems in C++ across platforms, including [LeetCode](#).
- **Certification:** Google Cloud Computing Foundations and Generative AI — [Google Cloud Skills Boost](#), Oct 2023.