

Abhigyan Kumar Jha

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EDUCATION

SRM Institute of Science and Technology, Chennai

Bachelor of Technology, Computer Science | CGPA: 7.81 / 10.0

May 2023 – July 2027

SKILLS

Languages: Python, JavaScript, TypeScript, C++, SQL

Frontend: React, HTML, CSS

Backend: Node.js, Express.js, FastAPI

Databases & Tools: MongoDB, ChromaDB, Git, GitHub, Postman, Linux, Docker

Concepts: Data Structures & Algorithms, System Design Fundamentals, REST APIs

WORK EXPERIENCE

Freelance Full-Stack Developer

2024 – 2025

Self-Employed | JavaScript, React, HTML, CSS, REST APIs

- ▶ Contributed to the development and delivery of production-ready websites for commercial projects using React, JavaScript, HTML, CSS, and REST APIs.
- ▶ Implemented responsive user interfaces and integrated backend services based on project requirements and design specifications.
- ▶ Diagnosed and resolved cross-browser compatibility issues, UI bugs, and performance bottlenecks during development and testing.
- ▶ Implemented third-party API integrations for client websites.

PROJECTS

RepoInsight | [GitHub](#)

Python, FastAPI, React, ChromaDB, Gemini API, Clerk

- ▶ Built an AI-powered codebase search tool from scratch, integrating GitHub APIs, vector search, LLM orchestration.
- ▶ Designed and exposed RESTful API endpoints (/index, /ask) via FastAPI; built a React frontend for repository indexing and retrieval-augmented codebase Q&A, with Clerk-based user authentication.
- ▶ **Reduced hallucinations** by grounding Gemini responses in actual repository context through dynamic prompt construction with ChromaDB-retrieved vector chunks.
- ▶ **Added repository-level filtering** to scope retrieval results to the indexed repository and improve answer relevance.

GuessNBrush | [GitHub](#)

JavaScript, React, Node.js, Socket.io

- ▶ Developed a real-time multiplayer game with synchronized canvas interactions, live chat, turn management, and a leaderboard — fully deployed and production-tested.
- ▶ Containerized frontend and backend services with Docker and Docker Compose, enabling reproducible local development and streamlined deployment; deployed the backend using a containerized workflow.
- ▶ Built room-based session management with host reassignment on disconnect and an auto-pick timer — handling edge cases that typically only surface under real user load.

GrooveGrader | [GitHub](#)

JavaScript, React, Node.js, Spotify API, Gemini API

- ▶ Leveraged the Spotify Web API with OAuth authentication to pull and analyze real user listening data — top artists, genres, and behavioral patterns.
- ▶ Built interactive dashboards to surface insights from raw API data; used Gemini API to generate personalized, context-aware summaries from structured user data.
- ▶ Built an end-to-end application involving OAuth authentication, external API integration, data processing, and AI-generated user insights.

ACHIEVEMENTS & ADDITIONAL

- ▶ Solved 160+ LeetCode problems across arrays, strings, recursion, linked lists, hash maps, and heaps. ([profile](#))
- ▶ Published and maintained [s3ntin3l](#), an npm package implementing a command-line password manager built with Node.js.