

Harsh

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 [H4RSHUH](#)  [harsh-3055-garg](#)  [H4RSHH](#)  [Portfolio](#)

Jind, Haryana - 126102, India

CAREER OBJECTIVE

Computer Science student with hands-on experience in C++ and full-stack web development, including backend APIs and AI-powered applications, seeking opportunities to apply strong problem-solving skills while contributing to real-world projects.

EDUCATION

- **Chandigarh University** 2023 - 2027
Bachelor of Engineering
◦ CGPA: 7.82 Mohali, India
- **The Vivekanand School (CBSE)** 2022-23
Intermediate
◦ Grade: 73.4% Delhi, India
- **Indus Public School (CBSE)** 2020-21
Matriculate
◦ Grade: 89.8% Haryana, India

PROJECTS

- **DocFinder – Full-Stack PDF Question Answering System**  
Tools: React.js, Node.js, Express.js, LangChain, Qdrant, Gemini API, Multer
 - Built a full-stack application enabling users to upload PDF documents and ask questions using the **Retrieval-Augmented Generation (RAG)** approach.
 - Implemented a backend pipeline with **LangChain**, **PDF loaders**, **vector embeddings**, and **Qdrant vector database** for context-aware document retrieval.
 - Designed **RESTful APIs** for PDF upload, query handling, and session-based vector cleanup to support isolated and efficient document conversations.
- **Brainly – Personal Knowledge Management App**  
Tools: React.js, Node.js, Express.js, MongoDB, Mongoose, Tailwind CSS, JWT
 - Built a full-stack web application to store and organize notes, links, and resources such as YouTube videos, tweets, and articles.
 - Designed **RESTful APIs** using **Express** and **MongoDB** to enable tagging, filtering, and user-specific content management.
 - Developed a **responsive React-based frontend** with **category filters** and **dashboards** to enhance content discovery and usability.
- **Project C: MaskChat – AI-Powered Persona-Based Chat Application** 
Tools: React.js, Node.js, Express.js, Generative AI, Gemini API
 - Built an **AI-powered persona chatbot** using **system-prompt engineering** to maintain consistent character-driven conversations.
 - Developed a **React.js frontend** and a **Node.js + Express.js backend** to support real-time conversational workflows.
 - Integrated **LLM-based response generation** via the **Gemini API**, preserving conversational context through structured message history.

ACHIEVEMENTS

- Solved more than 700 problems across competitive programming platforms.
- Achieved 50, 100 and 365 Days Batch on LeetCode.

SKILLS

- **Programming Languages:** C, C++, JavaScript
- **Web Technologies:** HTML, CSS, React.js, Node.js, Express.js, Tailwind CSS
- **AI & GenAI Concepts:** Retrieval-Augmented Generation (RAG), LangChain, Generative AI
- **Databases:** MongoDB, PostgreSQL
- **Backend Concepts:** RESTful API Design, Authentication & Authorization
- **Developer Tools:** Git, GitHub, VS Code, Postman