

# Garvit Nag

+91-9877926632 | [garvit1505@gmail.com](mailto:garvit1505@gmail.com) | [www.linkedin.com/in/garvit-nag](https://www.linkedin.com/in/garvit-nag) | [www.garvitnag.in](https://www.garvitnag.in)

## EDUCATION

**Chandigarh College Of Engineering & Technology (Panjab University)**

*Bachelor of Engineering in Computer Science & Engineering, CGPA: 8.04*

Chandigarh, IN

*Dec. 2021 – June 2025*

## WORK EXPERIENCE

**Software Development Engineer Intern**

Jan. 2025 – June 2025

*Stardom*

*Remote*

- Architected and developed a comprehensive CMS platform for the rBrands website from the ground up, implementing scalable content management solutions.
- Collaborated effectively with an asynchronous remote team to deliver project milestones on schedule.
- Engineered seamless frontend-backend integration, implementing RESTful APIs and optimizing data flow between the website and server infrastructure.
- Designed and implemented responsive UI components ensuring consistent user experience across desktop and mobile platforms.

## ACHIEVEMENTS

**Gen AI Exchange Hackathon by Google**

October 2024

*Winner (Network 18 Track)*

- Won first place in the Network 18 track at the Gen AI Exchange Hackathon organized by Google and Devfolio.
- Developed an innovative solution to combat misinformation in video content by engineering a robust media attribution and tampering detection system.
- See project: [verifiedbycredify.vercel.app](https://verifiedbycredify.vercel.app)

## PROJECTS

**Qodex** | *Next.js 15, FastAPI, PostgreSQL, Pinecone* | [Live Demo](#)

Feb. 2025 – Present

- Engineered an AI-powered RAG system using **Google Gemini** to enable natural language querying of GitHub repositories.
- Optimized ingestion latency to **5-20 seconds** per repository by implementing local vectorization models within a FastAPI backend.
- Deployed the backend architecture as a containerized **Docker** application on **Hugging Face Spaces** for scalable inference.
- Managed high-dimensional vector embeddings via **Pinecone** and persistent relational data via **PostgreSQL**, secured with Appwrite OAuth.

**MediSage** | *Next.js, FastAPI, MongoDB, Stripe, Redis* | [Live Demo](#)

Dec. 2024 - Feb. 2025

- Architected a SaaS health platform integrating **Stripe** webhooks for handling tiered subscriptions and **Clerk** for auth management.
- Engineered a custom rate-limiting middleware using **Upstash Redis** to prevent API abuse and optimize backend throughput.
- Implemented an interactive 2D anatomical mapping interface to precisely capture symptom localization.
- Enforced strict data validation using **Pydantic** schemas, ensuring type-safe JSON communication between the client and server.

**RecipeRover** | *Next.js, TypeScript, Flask, Appwrite* | [Live Demo](#)

Sept. 2024 – Nov. 2024

- Developed a content-based recommendation engine in **Flask**, utilizing filtering algorithms to personalize recommendations.
- Engineered multi-modal search functionality, allowing users to query the database via text, structured forms, or image inputs.
- Leveraged **Appwrite** as a Backend-as-a-Service (BaaS) to handle secure user authentication and real-time data storage.
- Optimized **MongoDB** aggregation pipelines to efficiently index and retrieve recipe data across large collections.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, C/C++

**Frameworks & Libraries:** FastAPI, Flask, React.js, Next.js

**Databases:** MongoDB, PostgreSQL, Pinecone, Appwrite

**Developer Tools:** Git/GitHub, VS Code, Linux/Unix, Docker