

GAURAV SINHA

+91 9289275750

sinhagaurav719@gmail.com

<https://www.linkedin.com/in/gaurav-sinha-dev/>

<https://github.com/Gaurav-S-c>

SUMMARY

Enthusiastic B.Tech Computer Science student (graduating 2027) with hands-on experience across the full web stack (React, Node.js, Express, Supabase) and applied AI/ML (PyTorch, LLM APIs, deep learning). Built and independently deployed multiple end-to-end projects, including a full-stack web application and an AI-powered feature using LLM integration. Seeking a Full-Stack Developer or AI Engineering opportunity to contribute and grow within a real product team.

SKILLS

- **Full-Stack** : React.js, Node.js, Express.js, JavaScript, REST APIs, Supabase / PostgreSQL, Tailwind CSS, Git/GitHub
- **AI / ML**: Python, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, LLM API Integration (Groq, Llama 3.3), CNNs, Transfer Learning
- **Tools & Platforms**: VS Code, Google Colab, Anaconda, Postman, Streamlit
- **Areas of Expertise**: Full Stack Development ,Machine Learning And Deep Learning

PROJECTS

DotTracker - Full Stack Application Tracker | *React, Node.js, Express, Supabase (PostgreSQL), Tailwind CSS*

- Built a full-stack application tracker from scratch, handling authentication, CRUD operations, and file storage end-to-end.
- Implemented secure authentication using Supabase Auth with Express middleware, and a drag-and-drop Kanban board (@hello-pangea/dnd) for tracking application stages.
- Built an AI Resume Tailor feature using the Groq API (Llama 3.3-70B) with PDF parsing (pdf-parse) to generate tailored resume feedback against a target job description.
- Designed a private Supabase Storage bucket for resume uploads with signed-URL access control.
- Built a searchable, filterable, paginated Applications dashboard with inline editing and account management flows.

Chef-LLama – AI-powered Recipe Assistant | *JavaScript, LLM API integration*

- Built an LLM-powered application that generates recipe suggestions and cooking guidance from natural-language user input.
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Bean Leaf Disease Classifier | *Python, PyTorch, CNN, Transfer Learning, Matplotlib, Streamlit*

- Developed a deep learning model using CNNs with transfer learning to classify bean leaf diseases, achieving 96.80% training accuracy and 94.74% testing accuracy.
- Built the full pipeline for image loading, training, evaluation, and visualization, and deployed it on Streamlit Cloud.

Movie Recommendation System | *Python, Scikit-learn, Pandas, Basic NLP concepts, Streamlit*

- Built a content-based recommendation engine that suggests 5 movies based on user preferences using cosine similarity on genre, keyword, cast, and director features.
- Preprocessed and vectorized movie metadata for efficient similarity computation, and deployed the system on Streamlit.

EDUCATION

B.Tech in Computer Science Engineering

2023–2027

HMRITM, Guru Gobind Singh Indraprastha University | GPA: 8.41

Apex Public School, Delhi, India

Passed in 2022

- CBSE (Class XII), Aggregate: 80.6% | CBSE (Class X), Aggregate: 83.8%

CERTIFICATIONS

- **Pregrad - Artificial Intelligence with Machine Learning Certificate**
(<https://drive.google.com/file/d/1rEtKjeKKQpwlAxSYS5LUNwq69T14cez/view?usp=sharing>)