

# Ansh Agrawal

[ai-portfolio-main.netlify.app](https://ai-portfolio-main.netlify.app) | Gurgaon, India | [anshagrawal148@gmail.com](mailto:anshagrawal148@gmail.com) | +91 8076083580  
[linkedin.com/in/ansh-agrawal-a6986629](https://linkedin.com/in/ansh-agrawal-a6986629) | [github.com/AnshAggr1303](https://github.com/AnshAggr1303)

## Objective

Aspiring software engineer passionate about AI and full-stack development, seeking impactful opportunities to build intelligent systems.

## Education

**Manipal University Jaipur**, B.Tech in Computer Science August 2023 – June 2027

- CGPA: 8.00/10.0 (2nd year)
- **Coursework:** Data Structures & Algorithms, Object Oriented Programming, DBMS, OS, Computer Architecture, Automata Theory

**DAV Public School Sec-49, Gurugram** CBSE

- 12th Grade: 85.2% (2023), 10th Grade: 95.1% (2021)

## Projects

**Study Buddy – Voice-Based Agentic Learning Assistant**

[GitHub Link](#)

- Developed for the Assesli Hackathon and awarded 3rd place; implemented a 4-phase agentic learning system (Analyze, Teach, Assess, Recommend) using Next.js, Gemini AI, Supabase, and Vosk, designed for scalable adoption in EdTech SLM development.

**RAG-Based LLM Chatbot (Multilingual + Voice)**

[GitHub Link](#)

- Developed a multilingual, voice-enabled chatbot using a Llama LLM and a vector database (FAISS) for contextual retrieval, enabling natural user interactions.
- **Tools Used:** Python, Llama, FAISS, Fasttext, FastAPI, LangChain, React, VOSK, AWS

**DATAI – Natural Language Database Query Interface**

[GitHub Link](#)

- Developed an AI-powered platform that converts natural language queries into SQL commands, enabling intuitive database interactions for non-technical users.
- **Tools Used:** Next.js, Gemini API, Supabase, LangGraph, Recharts

**AI Portfolio – Interactive Developer Portfolio**

[GitHub Link](#)

- Built an AI-powered, conversational portfolio using Google Gemini to provide personalized, real-time responses about my skills, projects, and experience.
- **Tools Used:** Next.js, TypeScript, Tailwind CSS, Framer Motion, Google Gemini API

**Exam Guard – AI-Powered Cheating Detection System**

[GitHub Link](#)

- Won 1st place at the MUJ Hackathon; built a real-time cheating detection system using YOLOv5, OpenCV, MediaPipe, and TensorFlow, featuring gaze tracking, gesture recognition, and multi-camera monitoring for academic integrity.

## Technologies

**Languages:** C, C++, Java, Python, Kotlin, Dart, SQL, HTML, CSS, JavaScript

**Technologies:** VS Code, Flutter, Android Studio, Firebase, MySQL, PostgreSQL, MongoDB, FastAPI, Flask, TensorFlow, OpenCV, Faiss, LangChain, Google Colab, Node.js, Express.js, Arduino IDE, Supabase, Ngrok, Web Speech API, Gemini, VAD, Linux

## Awards and Achievements

- **1st Position – The Hackathon:** Issued by Manipal University Jaipur · Apr 2025
- **4th Position – CODESTORM Hackathon:** Issued by BITS Goa · Feb 2025
- **4th Position – ML Hackathon:** Issued by IIT Kanpur TechKriti'25 · Mar 2025
- **Top 5 – Beat the Market Challenge:** Issued by IIT Kanpur TechKriti'25 · Mar 2025
- **Top 10 – Product Challenge:** Issued by IIT Kanpur TechKriti'25 · Mar 2025
- **Winner - Global Sustainability Awards:** Issued by ARCedtech Solutions Pvt. Ltd. · Nov 2022