



Sarthak Jain

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EDUCATION

Course	College / University	Year	CGPA / %
B.Tech (ECAM)	Netaji Subhas University of Technology	2027	8.27
Board (Class XII)	Khemo Devi Public School, Narela, Delhi	2023	86.6
Board (Class X)	ST Thomas School, Bahadurgarh	2021	94.4

PROJECT

- **NoteVidya: YouTube Video Note-Taking Website** [Link](#) | [GitHub Repo](#) *Personal Project*
 - Developed an AI-powered web app to **generate transcripts, detailed notes, and an interactive chatbot** from any YouTube video URL.
 - Built a **Gemini-based note generator** to create structured, human-like summaries of educational content.
 - Implemented a **RAG (Retrieval-Augmented Generation) chatbot** using Hugging Face embeddings and Gemini LLM for content-specific Q&A.
 - Integrated fallback to **speech-to-text transcription** when auto YouTube transcripts were unavailable.
 - Secured API keys via `.streamlit/secrets.toml` and deployed the app using **Streamlit Cloud**.
 - **Tech Stack:** Python, Streamlit, Langchain, Gemini AI, Hugging Face, RAG, yt-dlp, Whisper, FAISS.
- **Stock Market Learning & Investment Platform** [Link](#) | [GitHub Repo](#) *Hackathon (Top 30)*
 - Developed an **AI chatbot** to simplify complex stock market concepts, enhancing user understanding.
 - Implemented **AI-driven investment recommendations** to provide personalized insights.
 - Designed a **dummy trading feature** for risk-free learning and practical application.
 - Integrated **gamification elements** to boost user engagement and retention.
 - **Tech Stack:** Python, AI/ML integration.
- **HealthBuzz** [Link](#) | [GitHub Repo](#) *Hackathon (Top 20)*
 - Developed an **Instant Health Companion** providing diagnosis from symptoms.
 - Enabled real-time location of hospitals with **bed availability, costs, and insurance information**.
 - Implemented **advance hospital bed booking** functionality for user convenience.
 - Designed a **user-friendly, intuitive interface** for seamless interaction.
 - **Tech Stack:** HTML, CSS, JavaScript, Vercel.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript
- **Core Concepts:** Data Structures & Algorithms, Problem Solving, Object-Oriented Programming (OOP)
- **Web Technologies:** HTML, CSS
- **Machine Learning/AI:** TensorFlow, PyTorch, Keras, Natural Language Processing (NLP), AI/ML integration, LangChain, RAG.
- **Tools & Environments:** VS Code, Jupyter Notebook, Git, Unix/Linux

POSITIONS OF RESPONSIBILITY

- Member, Devcom The Tech Society of NSUT