

JAYANTH KONANKI

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Project Work Experience

AI Smart Revision Scheduler(SIH Selected)

[July 2025 – Sep 2025 | [GitHub](#)]

- **Engineered** an AI-assisted revision scheduling system to optimize long-term retention for competitive exam aspirants.
- **Built** scalable backend services using **Python**, **Django REST Framework**, and **SQL**, supporting high-frequency user activity.
- **Automated** revision reminders and background jobs using **Celery + Redis**, reducing manual scheduling effort by **100%**.
- **Integrated** NLP-based content summarization to intelligently prioritize revision topics.
- **Deployed** cloud-ready backend on **Render**, ensuring reliable API availability and seamless scaling.
- **Selected among Top 50 teams out of 400+ submissions** in internal hackathon for **Smart India Hackathon**.

Semantic Video Retrieval System

[June 2025 – July 2025 | [GitHub](#)]

- **Designed** a semantic video retrieval system that searches videos based on **content understanding**, not just using metadata or tags.
- **Implemented** embedding-based similarity search using **transformer models**, improving retrieval relevance over keyword-based systems.
- **Enabled** natural-language querying of video content, enhancing user discovery efficiency.
- **Demonstrated** real-world application of NLP and vector search techniques.

Skills

- **Languages:** Python, SQL
- **Backend & APIs:** Django, Django REST Framework, FastAPI
- **Databases:** Oracle SQL, MongoDB, NoSQL, ChromaDB (Vector Database)
- **AI / ML:** Machine Learning, Applied ML
- **Systems & Tools:** Linux, Celery, Redis, Git, GitHub, Postman, Streamlit, Retool
- **Cloud & DevOps:** Docker, NGINX, AWS EC2 (Instance Provisioning), Render

Education

GITAM Deemed to be University, Bangalore | B.Tech ,CSE-AI/ML

2022 - 2026

- **Score:** 8.54 CGPA (current)
- **Relevant Coursework:** **System Design, Artificial Intelligence, Machine Learning**, Advanced Data Structures, , Object-Oriented Programming,

Certifications & Achievements

- Deep Learning Specialization – Andrew Ng (Coursera)
- SIH Selection: Top 50 / 400+ teams
- 2nd Place, Internal Coding Competition