Aakif Mir

Hyderabad | aakifofficial@gmail.com | +91 91499 08067 | Linkedin | Portfolio | GitHub

Education

CBIT Hyderabad, BE in Computer Science — Nov 2022 – Jul 2026

- GPA: 8.80/10

Jawahar Navodaya Vidyalaya Anantnag, 10+2 — Mar 2014 – Apr 2021

- **12th:** 92.4%
- **10th:** 95.2%

Work Experience

Intern at Tenth Plus — Mar 2025 – July 2025

- Developed a ***Spaced Revision App*** that uses FastAPI and MySQL to manage AI-generated NCERT-style questions and student revision tracking.
- Integrated Gemini AI to extract concepts and generate questions from chapter PDFs, storing them by concept and difficulty.
- Built a React frontend to display questions, record answers, and schedule personalized reviews based on spaced repetition logic.

Projects

News Aggregator with Personalized Recommendations and Summaries — GitHub

- Built a full-stack news aggregator using React (Vite), Node.js/Express, and Python NLP to deliver personalized, summarized, and recommended content.
- Integrated JWT-based authentication, real-time web scraping, and intelligent summarization and recommendation using Transformers and Sklearn.
- Designed a clean, responsive UI with preference-based feeds, increasing user engagement and reducing average read time by 60% through AI-generated summaries.

Distributed-Event-Driven-Video-Processing-Pipeline — GitHub

- Built a distributed video processing pipeline using FastAPI and React (Vite), supporting real-time video upload, enhancement, and metadata extraction.
- Integrated RabbitMQ for task queuing and WebSockets for instant status updates, reducing processing response time by 40%.
- Implemented an intuitive UI with smooth upload and download experience, achieving user satisfaction in testing.

YouTube Video summarizer and Caption Extractor — GitHub

- Developed a Flask-based YouTube Video Summarizer that extracts captions and generates AI-powered summaries using NLP models.Extracts captions even for **non caption** videos also
- Integrated OpenAI Whisper for speech-to-text transcription and Facebook's BART model for summarization
- Built a user-friendly web interface with support for GPU acceleration.

Movie Recommender System — Live — GitHub

- Developed a content-based movie recommender system using Python, Streamlit, and TMDb API.
- Implemented similarity-based recommendations using precomputed similarity matrices..
- Deployed the application on streamlit for seamless accessibility and real-time recommendations.

Technologies

Languages: C, Python, JavaScript, Kotlin, SQL

Tech Stack: MERN, Machine Learning

Database: MongoDB, MySQL

Tools: Git, Github, RabbitMQ

Libraries/Frameworks: Scikit-Learn, Matplotlib, Pandas, Numpy, Bootstrap, NodeJS, ExpressJS, ReactJS, Tailwind, Flask, FastAPI

Coursework

DSA, AIML, OOPS, DBMS