SANYUKTA GOKHALE

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TECHNICAL SKILLS

Languages: Python, SQL
Developer Tools: Google Colab, Github, VS Code, Jupyter Notebook, MySQL, MS Excel, Google Sheets

PROJECTS

VedaBot | NLP-based Vedic Textual Analysis   June 2025
- Developed a Retrieval-Augmented Generation (RAG) system for Vedic texts, integrating local LLM (GPT-2), semantic search, and leveraging the Gemini API for enhanced insights
- Engineered an NLP pipeline featuring text preprocessing, LDA Topic Modeling, and TF-IDF keyword extraction, showcasing specialized knowledge retrieval

VidSights | Youtube Video Analytics Dashboard   August 2025
- Created a data-driven YouTube analytics platform using Python, Dash, and Plotly to transform raw video metrics into interactive visualizations and performance insights
- Implemented YouTube Data API integration with automated data processing to track engagement trends, correlation analysis, and video-specific performance metrics

YTBrief | Youtube Transcript Summarizer   Jan 2025
- Developed a YouTube Transcript Summarizer leveraging advanced NLP and deep learning techniques
- Implemented both extractive (TextRank) and abstractive (BART, Pegasus, T5) summarization models
- Showcased proficiency in transformer architectures, large language models, and efficient text processing

EXPERIENCE

Contributor, Winter of Code 4.0   Jan 2025–Feb 2025
GDG IIIT Kalyani
- Selected for participation in an open-source program organized by GDG IIIT Kalyani.
- Developed an NLP-based YouTube Transcript Summarizer project for WoC 4.0

Data Science Intern   Jan 2025–June 2025
Sabudh Foundation
- Mastered Python programming, including data structures, core libraries (NumPy, Pandas), web scraping, and API integration, alongside gaining comprehensive expertise in Machine Learning and Natural Language Processing (NLP)
- Built robust problem-solving abilities through intensive training in Data Structures and Algorithms, focusing on efficient algorithm design and analysis for optimal solutions

EDUCATION

Vellore Institute of Technology, Bhopal — *CGPA: 8.27/10*   2022-2026
Bachelor of Technology in Computer Science and Engineering

Choithram School, Manik Bagh, Indore   2007-2022

10th board (CBSE): 90.2%
12th board (CBSE): 91%

CO-CURRICULAR WORK

- **Content Team Lead, AI Club, VIT Bhopal (Feb 2024-June 2024)** - Led a team of content creators, managed AI/ML content review, and collaborated with club leaders to ensure timely, accurate, and engaging event-aligned content.

- **Content Team Member, AI Club, VIT Bhopal (Jan 2023-Feb 2024)** - Authored blogs on emerging AI technologies, created promotional content and event scripts, and collaborated on content strategies to boost engagement and align with club goals.

EXTRACURRICULARS

- **Languages** - English (Proficient), Japanese (Elementary), Hindi (Native), Marathi (Native)