TEJAS SUTAR

AI & LLM ENTHUSIAST | 4TH YEAR ENGINEERING STUDENT

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Aspiring AI engineer with a focus on LLMs, agentic AI, and RAG pipelines, passionate about building intelligent, ethical, and explainable systems. Currently exploring applied GenAI solutions and seeking opportunities to apply AI to real-world challenges.

SKILLS AND ABILITIES

- **Programming Languages**: Python, C, Java, SQL.
- **AIML & LLM Stack:** LangChain, OpenAI/Gemini APIs, Hugging Face, RAG, FAISS, Chroma, Prompt Engineering
- **ML Tools:** Scikit-learn, Pandas, NumPy, spaCy, Transformers
- **Data Science and Analytics**: Data Collection, Cleaning, Preprocessing, Exploratory Data Analysis (EDA), Feature Engineering, Predictive Modeling, Data Visualization (Matplotlib, Seaborn, PowerBI).
- **Web Technologies**: Flask, HTML, CSS, React, Streamlit.
- **Version Control & Tools**: Git, GitHub, Jupyter Notebook, VS Code, Google Colab, Notion, GitHub Copilot.
- **Soft Skills:** Problem-solving, leadership, adaptability, innovation, and time management.

PROJECTS

1) **EXAGRAM - AI-Powered Learning Platform** *(Team Leader, 2023-24)* **-** Python, Flask, FAISS, Gemini, RAG

   - Led a team to develop EXAGRAM, a smart learning platform enabling personalized study, question generation, and peer interaction.
   - Developed **TestGen** to generate papers using PYQs, topic weightage, and user inputs.
   - Used **FAISS + RAG** for subtopic-wise retrieval; improved relevance by 20%.
   - Integrated Gemini for dynamic question creation and smart subtopic tagging.
   - Designed logic to balance PYQs vs AI-generated questions by marks and pattern.
   - Won Runner-Up at national hackathon for innovation in EdTech.

2) **YTQuery – AI Chatbot for YouTube Videos (2025)** **-** Python, Flask, FAISS, LangChain, Gemini

   - Built a chatbot that lets users ask questions about any YouTube video using transcript-aware AI.
   - Improved context relevance using FAISS + Gemini embeddings for semantic chunk retrieval.
   - Enabled multi-turn memory with LangChain, enhancing response coherence over chat history.
   - Designed a clean web interface to summarize, extract, and query video content instantly.
   - Reduced need to watch full videos by 80% through AI-driven video understanding.

3) **Trip Contribution Calculator** *(2024)* **-** Python, matplotlib, numpy

   - Built a tool to split trip expenses fairly, supporting **multi-currency** and **uneven splits**.
   - Automated logic reduced manual errors, ensuring **100% accurate calculations**.
   - Added visual summaries and personalized event tagging for better tracking.

EDUCATION

Bachelor of Engineering (B.E.) in Artificial Intelligence & Data Science
University of Mumbai, A.C. Patil College of Engineering   CGPA: 7.78* (Expected Graduation: 2026)

Higher Secondary Certificate – Specialization in Computer Science
Maharashtra Board, S.K. Somaiya College of Science   Percentile: 60% (2022) | 88%ile in MHTCET

ACHIEVEMENTS

- 2nd Runner-up in Avishkaar 2024, a national-level hackathon at AITAM, competing against 53 teams from 19 states.
- 2 X Winner of the Departmental Project Competition for outstanding innovation and technical excellence.
- Runner-up in INNOVATHON 2025, a national-level AI/Data science hackathon in ACPCE.
- Recipient of the Saraswati Devi Memorial Award (2020) for academic excellence from IES.