

S SAI KUMAR

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PROFESSIONAL SUMMARY

Engineering student at SASTRA building LLM and Agentic AI systems — multimodal video intelligence, agent orchestration with LangGraph, and full-stack web applications.

EDUCATION

B.Tech in Computer Science (AI & Data Science)	Expected 2027
SASTRA Deemed University, Thanjavur, Tamil Nadu	
Higher Secondary Education	2022
Kendriya Vidyalaya No. 1, Akhnoor, Jammu & Kashmir	
Secondary Education	2020
Kendriya Vidyalaya Hirapatti, Azamgarh, Uttar Pradesh	

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript

AI & ML: LLMs, Agentic AI, LangGraph, Machine Learning, Deep Learning, Transformers, OpenCV

Web & Tools: React, Node.js, MERN stack, Redis, Git, Claude Code, HTML/CSS

PROJECTS

A.R.G.U.S-V — Video intelligence framework for YouTube

- LangGraph-orchestrated agent workflows for the analysis pipeline
- Redis caching for high-performance reuse of processed data
- Semantic search over transcribed and summarized video content

Technologies: Python, LLMs, LangGraph, Redis

Voice of Monetary Policy — Multimodal analysis of FOMC meetings

- Three-modality fusion: computer vision, audio processing, and NLP
- Feature-extraction pipelines feeding trained ML classifiers
- Robust stance classification across meetings

Technologies: Python, OpenCV, LibROSA, Transformers, scikit-learn

CERTIFICATIONS

- DSA to Web Development — GeeksForGeeks
- Cloud Computing — Coursera