Kunche Sreemukhi

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EDUCATION

VIT Bhopal University, Madhya Pradesh   (*May,2026*)
B. Tech Computer Science and Engineering (Specialization in AI & ML) | CGPA: 8.57

SKILLS

Programming Languages: C++, Python, SQL
AI/ML & GenAI: Machine Learning, Deep Learning, NLP, RAG, LLMs, LangChain, CrewAI, PyTorch
Data Tools: NumPy, Pandas, Matplotlib, Seaborn, MongoDB, ChromaDB
Cloud & DevOps: Git, Docker, AWS
Core Competencies: Data Structures & Algorithms

PROJECTS

AstraRAG — Agentic RAG Chatbot   (*2025*)
FastAPI, CrewAI, LlamaIndex, ChromaDB, Docker
- Engineered an agent-based RAG system using **3 specialized agents** (planning, retrieval, execution).
- Built a FastAPI orchestration layer enabling dynamic tool-calling workflows.
- Improved task reliability and debuggability by **~35%** through explicit agent separation.

StudyPal — RAG-Powered AI Study Assistant   (*2025*)
Python, LangChain, Streamlit, Groq, ChromaDB, AWS EC2
- Developed a RAG-powered study assistant grounding responses in curated material, reducing hallucinated answers by **~45%** versus vanilla prompting.
- Built document ingestion and embedding pipelines using LangChain and ChromaDB.
- Added chapter-level retrieval to support structured follow-up questions.

ConvoPro — Self-Hosted Conversational AI   (*2025*)
Python, LangChain, Streamlit, Groq, ChromaDB, AWS EC2
- Built a private GPT-style chat system using local LLMs, removing external API dependency.
- Implemented MongoDB-based session memory, improving multi-turn context retention by **~60%** compared to stateless chats.
- Dockerized and deployed on AWS EC2 for isolated, reproducible environments.

EXTRACURRICULARS

- **Media Team Lead,** Blockchain Club – Led content creation and event promotions across social platforms to drive campus visibility.
- **Student Co-ordinator,** Telugu Club – Coordinated cultural events, handling planning and on-ground execution.

ACHIEVEMENTS

- Earned **Kaggle badges** in Python, Pandas, and Machine Learning.
- Solved **200+ Data Structures and Algorithms problems** on LeetCode

ADDITIONALS

- **Languages**: Telugu (Native), English (Proficient), Hindi (Proficient)