

Kunche Sreemukhi

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EDUCATION

Vellore Institute of Technology

(May, 2026)

B. Tech Computer Science and Engineering (Specialization in AI & ML) | CGPA: 8.60

SKILLS

Programming Languages: C++, Python, SQL

Machine Learning & AI: Deep Learning, NLP, RAG Systems, LLMs

Frameworks & Libraries: LangChain, CrewAI, Pytorch, NumPy, Pandas

Tools & Cloud: ChromaDB, Docker, AWS EC2, Git

EXPERIENCE

StealItX | Software Development Intern (Remote)

(January - Present)

- Built distributed price intelligence system handling many product URLs daily.
- Designed a browser-based price comparison system using Chrome Extension Manifest V3 and the Offscreen API for background execution

PROJECTS

Intelligent LLM Semantic Router [Github](#)

(Ongoing)

Python, FastAPI, DistilBERT, XGBoost, Docker

- Built **LLM orchestration engine** using **FastAPI**, reducing proprietary inference cost free by routing to distributed free-tier providers.
- Built Implemented intent classification using **DistilBERT**, achieving **60% faster** processing speeds than standard BERT models while maintaining semantic accuracy.
- Engineered Regex-based heuristics to instantly route high-frequency traffic with **<2ms latency**.

RecallAI — Privacy-First AI Memory Assistant [Github](#)

(December, 2025)

FastAPI, ChromaDB, Llama-3 (Groq), Sentence-Transformers

- Engineered a secure RAG pipeline using ChromaDB metadata filtering and local embeddings to achieve 100% user-data isolation and prevent cross-tenant leakage.
- Built local vectorization using Sentence-Transformers to eliminate external API costs and latency

IngreSnap — AI-Powered Food Ingredient Analyzer [Github](#)

(December, 2024)

React, TypeScript, Tesseract OCR, FastAPI,

- Built an ingredient analysis system that extracts text from food label images using Tesseract OCR and converts it into structured ingredient data..
- Implemented custom text preprocessing techniques to clean noisy OCR output and normalize ingredient names for accurate matching..

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.

ADDITIONALS

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