

# Kunche Sreemukhi

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## EDUCATION

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Vellore Institute of Technology

(May, 2026)

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

## SKILLS

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**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

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### 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

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### 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

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**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

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