

# Sreemukhi Kunche

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## PROFILE

Final year CSE student with experience shipping products end-to-end and leading cross-functional initiatives. I enjoy digging into user and operational problems, finding the root cause, and driving solutions through to execution. Comfortable with data, structured in thinking, and high on ownership.

## EDUCATION

**Vellore Institute of Technology** | B.Tech, Computer Science (AI & ML)

May 2026

CGPA: 8.60 | Coursework: Data Science, Statistics, NLP, ML, Computer Vision, DBMS, Python

## EXPERIENCE

**StealttX** | Software Development Intern (Remote)

Dec 2025 - Present

- Identified a gap in how product metadata was being tracked across platforms and built a scraping pipeline to normalize data across 6 e-commerce sites, enabling the team to make better inventory and pricing decisions.
- Designed and shipped a real-time price monitoring system with automated WhatsApp alerts for drops and restocks, reducing manual ops effort and improving response time to market changes.
- Analyzed delivery latency issues in the data pipeline and resolved them by integrating Firebase Realtime Database, directly unblocking the product team's release schedule.

## LEADERSHIP & OPERATIONS

**Social Media Lead** | Blockchain Club, VIT

2023 - 2025

- Managed end-to-end execution of promotions for 4 technical events: planned timelines, tracked content calendars, coordinated across teams, and measured what was driving registrations.
- Diagnosed a drop in sign-ups by tracing it back to inconsistent and late outreach. Restructured the communication schedule and saw a measurable improvement in registrations for the next event.
- Grew cumulative digital reach to 1,000+ impressions and maintained consistent reporting on channel performance to refine strategy over time.

**Student Coordinator** | Telugu Cultural Club, VIT

2022 - 2025

- Planned and executed 7 cultural events end-to-end, owning scheduling, resource allocation, team assignments, and on-day problem solving.
- Coordinated 15+ students across parallel workstreams, built a shared tracking structure for milestones and dependencies, and kept delivery on time across all events.

## PROJECTS

**Intelligent LLM Semantic Router** | Python, FastAPI, DistilBERT, Docker

Dec 2025 - Feb 2026

- Identified high inference costs as the core problem, then designed and shipped a query routing engine that distributes load across free-tier LLM providers, cutting costs while improving speed by 60% and hitting sub-2ms latency.

**AstraRAG - Multi-Agent Retrieval System** | FastAPI, CrewAI, LlamaIndex, ChromaDB

Oct - Nov 2025

- Diagnosed unreliable AI pipeline behaviour and redesigned the architecture around explicit agent separation for planning, retrieval, and execution, improving system reliability by ~35%.

**Multi-Tenant IaC Platform** | Python, Kubernetes, Docker, Helm

Aug - Sep 2025

- Automated environment provisioning for multi-tenant workloads, reducing manual ops overhead and enabling the team to scale without proportional effort increase.

## SKILLS

**Product & Analytics:** A/B testing, funnel analysis, data analysis, dashboard building, user research, wireframing, requirement docs, product strategy

**Project Management:** Cross-functional coordination, timeline management, process documentation, stakeholder communication

**Tools:** Python, SQL, MS Excel, MS PowerPoint, FastAPI, Docker, Git, LangChain, PyTorch, NumPy, Pandas

**AI & ML:** Deep Learning, NLP, RAG, LLMs, Prompt Engineering, Computer Vision, ChromaDB

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

## RELEVANT COURSEWORK

Deep Learning, Applied Machine Learning, Natural Language Processing, Reinforcement & Representation Learning, Data Mining & Warehousing, Computer Vision, Foundations of Data Science, Probability & Statistics, Database Management Systems, Operating Systems, Computer Networks, Data Structures & Algorithms, AWS Cloud Practitioner, Data Visualization, Competitive Coding Practices