

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

May 2026

EXPERIENCE

StealItX | 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