Chaitanya Joshi

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Software Developer specializing in **Retrieval-Augmented Generation (RAG)**, **LLM-powered applications**, and full-stack **web development** — building custom AI solutions grounded in real data rather than generic API wrappers.

Experience

Software Developer Intern **Current**
Livo Assistant *Bangalore, India*
- Designed and shipped **Retrieval-Augmented Generation (RAG)** pipelines that reduced manual research time and measurably increased team efficiency.
- Delivered end-to-end **web development** features, owning work from specification through deployment.
- Built custom **conversational bots** for client-facing use cases, integrating retrieval and **LLM** components tailored to each client's workflow.

Research Analyst Intern **Dec 2022 – Mar 2023**
RiseUpp *Remote*
- Produced structured technical knowledge content, translating core programming concepts into clear, teachable material.
- Analyzed, tested, and processed real-world datasets to surface actionable insights for the team's research output.

Projects

AutoPitch | *Agentic Cold-Outreach Engine* – Live Demo **RAG, Gemini, pgvector, SMTP/IMAP**
- Built a six-stage agentic pipeline (scrape → chunk & embed → retrieve → draft → confidence-gate → send → reply-match) that drafts personalized outreach grounded in **RAG**.
- Engineered real email threading and robots.txt-respecting, rate-limited SMTP/IMAP dispatch for production-grade deliverability.

NeuralThreads | *Cross-Platform AI Memory Layer* – Live Demo **Browser Extension, RAG, Encryption**
- Built a browser extension that captures AI chat conversations and compresses them via a **RAG** pipeline into portable, injectable context.
- Enabled context transfer across **ChatGPT, Claude, Gemini, and Perplexity** with no API keys, plus an encrypted, searchable session library.

Mean Edge | *Intraday Trading Simulator* – GitHub Repo **C++17, Risk Modeling**
- Implemented a gap-up rejection trading strategy in **C++17** achieving sub-millisecond latency per candle with constant **O(1)** space complexity.
- Modeled a capital-based risk system (2% stop-loss / 7% target, max two trades/day) validated against three years of manual trading observation.

Technical Skills

Languages: C, C++, Python, JavaScript
AI / ML: Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), AWS Bedrock, Gemini API, Qwen, Prompt Engineering
Web: HTML, CSS, JavaScript, React, Next.js
Tools & Protocols: Git, GitHub, REST APIs, SMTP/IMAP
Core Concepts: Data Structures & Algorithms, System Design, Risk Modeling

Education

Bangalore Institute of Technology **2025 – Present**
Master of Computer Applications (MCA), CGPA: 8.8 *Bangalore, India*
Karnataka University of Dharwad **2022 – 2025**
Bachelor of Computer Applications (BCA), CGPA: 8.2 *Dharwad, India*

Certifications

Software Engineering Virtual Experience — **Goldman Sachs** | C Programming Certification