

SHAURYAMAN SAXENA

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Experience

Ciena

Jun 2025 - Sep 2025

Software Development Engineering Intern

Gurugram, India

- Engineered a live chatbot using Model Context Protocol with Retrieval-Augmented Generation (RAG).
- Designed Google Gemini adapter for chatbot LLM with Docker, achieving 90% pass rate on "586+ automation tests".
- Collaborated with teammates to resolve 20+ Jira issues, through VectorDB and Qdrant response analysis.
- Designed and built document-to-HTML-to-JSON pipeline, streamlining delta version ingestion in embeddings.
- Optimized reranker prompts in RAG workflows, boosting system performance and response quality by 10%.

IBM SkillsBuild Winter Program

Dec 2024 - Jan 2025

Data Science Intern

Delhi, India (Remote)

- Performed EDA on "cars.csv" (406×9) with Pandas/Seaborn, generating 10+ visualizations.
- Identified statistical relationships such as weight vs. mpg with strong negative correlation (r about -0.83).

Projects

RAGify API Docs Explorer — [Link](#)

Jun 2025

- (RAG, ChromaDB, SQLite3, Groq LLM, Streamlit, Vector Embeddings).
- Created production-ready RAG assistant for API queries, serving 12+ APIs and cutting lookup time by 70%.
- Integrated ChromaDB with Sentence Transformers for semantic search across 3+ APIs (Claude, Gemini, GitHub).
- Architected modular system with scraping, embeddings management, and Groq Llama 3.3 70B LLM integration.
- Achieved query response time to less than 3s with attribution in 12+ API docs.

Multi Pro-Con Agentic AI — [Link](#)

Jul 2025

- (Multi-Agent Systems, OpenAI/Gemini APIs, Streamlit).
- Engineered scalable 2-agent debate system with autonomous Pro/Con agents using strategic reasoning.
- Implemented debate orchestration with 3 rounds of exchanges and moderator synthesis.
- Developed and implemented minimal codebase demonstrating agentic AI with FastAPI backend and web interface.
- Facilitated balanced conclusions through intelligent agent collaboration.

Skills

Programming Languages: C++ (350+ DSA problems solved — [Link](#)), Python, SQL.

Core CS Fundamentals: DSA, OOP, Information Retrieval, TCP/IP Networking, Problem-Solving, Debugging, Testing.

Software Development Tools: Git, GitHub, Docker, FastAPI, REST APIs, JSON, Streamlit, Linux.

Databases: SQLite3, Vector Databases (Qdrant, ChromaDB).

AI/ML: Scikit-learn, NumPy, Pandas, Matplotlib, LangChain, RAG, Agentic AI, Cosine Similarity.

NLP: BERT, TF-IDF, NLTK, Tokenization, Text Classification.

Core Competencies: Team Collaboration, Communication, Agile and Scrum sprints.

Education

USICT, Guru Gobind Singh Indraprastha University (GGSIPU)

2022 - 2026 (Expected)

Bachelor of Technology in Information Technology

Delhi, India

Shri Gulab Rai Montessori Senior Secondary School

Class 12: 90% (2022) — Class 10: 97% (2020) — JEE Mains: 96%ile

Bareilly, UP

Certificates: Mastering Data Structures and Algorithms Using C and C++ (Abdul Bari's course) - Completed

Complete Generative AI Course with LangChain and HuggingFace (Udemy) - In Progress.

Google Agentic AI Hackathon 2025 powered by Hack2Skill - Participated.

Leadership and Achievements

Coordinator, Training and Placement Cell (TnP)

2022 - Present

USICT

New Delhi, India

- Directed placement activities for 500+ students and organized 30+ recruitment drives with 30+ companies.
- Led corporate outreach and trained peers on interview preparation and professional development for 3+ years.

Core Member, Nexus Club - Techspace Society

2025 - Present

USICT

New Delhi, India

- Organized gaming tournaments attracting 100+ participants across 2+ events.