Srishti Jaiswal

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Education

Clemson University *December 2027*
B.S. in Computer Information Systems | Minors in Mathematics and Artificial Intelligence
Awards: Dean's List, Multiple Semesters (2023–2026)

Technical Skills

Programming Languages: Python, Java, C++, SQL
Frameworks & Libraries: PyTorch, scikit-learn, pandas, Detectron2, Hugging Face Transformers, LangGraph, FastAPI
AI & Machine Learning: RAG, Agentic Workflows, Hybrid Retrieval, Context Engineering, LLM Evaluation, NLP, Computer Vision
Cloud, Data & Developer Tools: Azure, AWS, MongoDB, Neo4j, Qdrant, Redis, REST APIs, Git

Experience

Incoming AI Research and Innovation Intern Winter 2027
BMW Manufacturing *Greenville, SC*

AI Engineering Capstone Intern Aug 2026 – Present
TD SYNNEX-Sponsored Project | Clemson University *Clemson, SC*

- Developing an Azure-based RAG support application that integrates a language model with trusted Microsoft documentation to generate evidence-backed troubleshooting guidance.
- Developing an escalation path for unresolved support requests to enable human handoff when the RAG assistant cannot provide sufficient troubleshooting guidance.
- Leading a four-person team in developing an evaluation framework to compare the assistant with web search and a language model without retrieval across accuracy, citation quality, latency, and token usage.

Information Technology Intern May 2026 – Present
Watt Family Innovation Center, Clemson University *Clemson, SC*

- Engineered a Java-based scheduling system that centralizes control of the building's display lights and automates approximately 80% of recurring lighting operations.
- Troubleshoot and resolve software issues across the building's display, AV, and lighting control systems, diagnosing faults and coordinating fixes to minimize downtime for events and daily operations.

AI Development Intern Jun 2025 – Jul 2025
Telerad Tech *Bengaluru, India*

- Built a Python preprocessing pipeline to clean and standardize chest X-ray images, validate labels, and convert pneumonia annotations into training-ready formats.
- Used the resulting dataset to train and evaluate a Detectron2-based pneumonia detection model, achieving 92% on the company's internal accuracy benchmark and comparing its performance with the existing model.

Research

Undergraduate Research Assistant Aug 2026 – Present
Watt AI Program, Clemson University *Clemson, SC*

- Developing an evidence-grounded RAG pipeline to analyze hospital safety reports for adaptive staff performance patterns, with record-level citations.
- Designing a labeled-question evaluation framework to assess retrieval relevance, answer faithfulness, citation accuracy, and stage-level latency and token usage.

Projects

EchoSystem AI 2026 – Present
Multi-Agent Market Intelligence Platform

- Built a multi-agent market intelligence application that researches companies and market developments, synthesizes findings into cited analyses, and checks conclusions against supporting sources.
- Implemented hybrid retrieval across a Neo4j knowledge graph and Qdrant vector database to combine structured relationships with semantic search.
- Used LangGraph to coordinate analyst and auditor agents, automatically revising unsupported claims and flagging unresolved issues for human review.

Leadership

President (Formerly Secretary) Jan 2025 – Present
Girls Who Code at Clemson *Clemson, SC*

- Lead a chapter of 100+ members supporting women and underrepresented students in computing, organizing and teaching hands-on workshops on programming, AI tools, and interview preparation, plus mentorship programs and industry speaker and recruiting events.