

SRIJAN JAISWAL

Chennai, India | 7905019705 | jaiswalsrijan505@gmail.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

B.Tech Artificial Intelligence student (CGPA 8.7/10) and Research Intern in AI/ML at Samsung R&D Institute Bangalore, with hands-on expertise in Generative AI, LLMs, RAG architectures, and model fine-tuning. Built 4 end-to-end AI/ML systems using Python, LangChain, and FastAPI, achieving measurable gains in accuracy, latency, and automation. Seeking a Generative AI / ML Engineer internship.

EDUCATION

SRM Institute of Science and Technology, Chennai — B.Tech, Artificial Intelligence

2024 – 2028

CGPA: 8.7/10 | Certifications: Google Generative AI Professional (2026), AWS Certified Machine Learning – Specialty (2025), Accenture AI, CISCO Data Science, JP Morgan Software Engineering, Deloitte & TCS Data Analytics & GenAI

WORK EXPERIENCE

Samsung R&D Institute Bangalore — Research Intern, AI/ML

Jun 2026 – Present

- Contribute to applied ML and Generative AI research, collaborating with senior research engineers on model development, experimentation, and evaluation workflows in Python.
- Work across machine learning, deep learning, NLP, and LLM-based systems in a production research environment.

Open Source: GirlScript Summer of Code (GSSoC) & Social Summer of Code (SSoC)

Apr 2025 – Present

- Among the top contributors at GSSoC, delivering high-impact pull requests across AI and web projects.
- Project Admin at SSoC — mentored contributors, reviewed PRs, and managed issue triage to maintain project and onboarding quality.

Independent Open Source Contributor — GitHub

Jan 2024 – Present

- Authored LangChain integration examples and RAG pipeline utilities adopted by 20+ developers in the community.

PROJECTS

Skewline — Research-Grade Market Making Simulator

Aug 2026

Python, FastAPI, React, NumPy, Docker, WebSocket

- Built a research-grade limit-order-book simulator benchmarking 7 quoting strategies — Avellaneda-Stoikov, GLFT, flow-imbalance, tabular RL, DQN, and multi-asset hedging — under stochastic latency, adverse selection, and partial fills.
- Shipped a full-stack FastAPI + React/Recharts dashboard with real-time WebSocket streaming, backtested against real Binance BTC/ETH/SOL trade data via KS-test distribution comparison, and validated with 28+ automated tests, CI, and Docker deployment.

Driftmark — ML Customer Churn Prediction System

Dec 2025 – Apr 2026

Python, LightGBM, XGBoost, SHAP, FastAPI, Poetry

- Built an end-to-end churn pipeline ensembling tabular (LightGBM), NLP, and sequence models into a time-aware calibrated stacker, achieving 85% accuracy (F1: 0.78) across 10K+ customer records.
- Generated SHAP-based reason codes and automated CRM campaign exports, and served predictions via a FastAPI batch-scoring API with PSI-based drift monitoring for production reliability.

PatchPilot — AI Security Scanning & Remediation System

Feb – Mar 2026

Python, React, Semgrep, OSV-Scanner, Gitleaks, Docker, LLM Inference Optimization

- Cut manual review time ~60% with an AI-powered DevSecOps platform scanning 500+ files via SAST, dependency, and secret-detection tools.
- Optimized LLM inference latency to under 150ms for real-time recommendations, deployed via Docker with a React + Vite dashboard.

Lexivault — AI Document Q&A System (RAG-Based)

Sep – Dec 2025

Python, LangChain, ChromaDB, FastAPI, OpenAI, Docker, GitHub Actions

- 90%+ answer relevance (0.909 mean) via a RAG pipeline with ChromaDB vector store, MMR retrieval, and cross-encoder reranking.
- Built a FastAPI backend with multi-format ingestion, SSE streaming, citations, and drift monitoring; CI/CD via Docker and GitHub Actions.

TECHNICAL SKILLS

Programming: Python, SQL, JavaScript, C++

ML / Deep Learning: Scikit-learn, XGBoost, TensorFlow, PyTorch, CNN, RNN, Transformers, Feature Engineering

Generative AI & NLP: LLMs, LangChain, RAG, Vector Databases, Prompt Optimization, Model Fine-Tuning, Hugging Face

Cloud & DevOps: AWS (EC2, S3), Docker, Kubernetes, CI/CD, GitHub Actions, MLOps

Web & APIs: Flask, FastAPI, REST APIs, React, Vite, Tailwind CSS, Git