

Siddharth Jain

AI Engineer — Finance and AI

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PROFESSIONAL SUMMARY

AI Engineer specializing in Generative AI, agentic systems, and machine learning for financial services. Delivered 14 business intelligence dashboards and 7 production Generative AI chatbots at a manufacturing CEO Office, serving 300+ daily users with \$3M+ annual impact. Focused on bank-grade AI: credit risk modeling, regulatory automation, anti-money laundering (AML), and agentic investment research. MSc Artificial Intelligence and Data Science, Frankfurt School of Finance and Management; CFA Level I Candidate.

SKILLS

Languages and Tools: Python, SQL, R, Bash, Git, Docker, Kubernetes, Linux, REST APIs, CI/CD, Agile

Machine Learning and Generative AI: Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP), Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), PyTorch, TensorFlow, scikit-learn, LightGBM, SHAP, LangChain, LangGraph, Model Context Protocol (MCP), CrewAI, Vector Databases (ChromaDB, Pinecone), MLOps, MLflow, Prompt Engineering, LLM Evaluation

Data and Cloud: Apache Spark, Airflow, dbt, ETL, Data Pipelines, Snowflake, Databricks, AWS, Azure, Data Warehousing

Finance and Competencies: Credit Risk (PD/LGD/EAD), Basel/IRB, RegTech, Anti-Money Laundering (AML), Quantitative Analysis, Financial Modeling, Capital Markets, Stakeholder Management, Cross-functional Leadership

PROFESSIONAL EXPERIENCE

AI Engineer, CEO Office (Manufacturing) - AI, Data and Digitisation Strategy Jun 2025 – Jun 2026

Suzlon Energy Limited

Pune, India

- Architected and deployed **14 Power BI dashboards** and **7 production Generative AI chatbots** (RAG and SQL agents) across 10 plants for **300+ daily users**, driving **\$3M+** in annualized savings and productivity gains.
- Built end-to-end **data pipelines** (ETL) on **Azure Data Factory** and **Databricks**, consolidating **50+ source systems** into a governed medallion lakehouse and single source of truth.
- Led a 6-person team to deliver an executive **Control Tower** consolidating **250+ KPIs**; re-engineered the monthly Business Review with **agentic AI** answering live CXO questions and co-authored the enterprise AI strategy.

RESEARCH EXPERIENCE

Cybersecurity Research Intern (IPAT) May 2024 – Aug 2024

Georgia Tech Research Institute (GTRI)

Atlanta, USA

- Selected for GTRI IPAT (approximately 1.2% acceptance); built core components of a security middleware for large-scale patient-data pipelines, resolving **50+ integration failures** between legacy hospital systems and cloud EHRs.

AI Research Intern

Jan 2024 – Sep 2024

Coulter Dept. of Biomedical Engineering, Emory University and Georgia Tech

Atlanta, USA

- Built an automated **deep learning** (PyTorch) pipeline for CT-based sarcopenia segmentation under Dr. Rakesh Shiradkar, achieving a **Dice score of 0.94** across **1,000+ scans** and approximately **50x faster** analysis than manual workflows.

Research Intern - 5G and Network Security

Oct 2023 – Dec 2023

Indian Institute of Technology (IIT) Jammu

Jammu, India

- Built containerized IDS/IPS for secure 5G traffic routing under Dr. Samaresh Bera, improving **throughput by 19%** under peak load.

PROJECTS

RegRadar - EU Regulatory-Impact Engine — *Agentic AI, LangGraph, RAG, FastAPI, Groq*

[Code](#)

- Multi-agent system that extracts regulatory obligations, maps them to a bank's controls, and drafts English and German gap-assessment memos with **100% citation integrity** and **F1 0.957** on DORA.

CreditForge - Bank-Grade Credit-Risk Platform — *LightGBM, PD/LGD/EAD, SHAP, Basel/IRB*

[Code](#)

- Expected-Loss engine (WoE scorecard and machine learning challenger) with leakage-safe targets, out-of-time validation, SHAP explainability, fairness testing, and drift monitoring.

AEGIS Live - Real-Time Streaming AML — *Streaming, LightGBM, Graph, WebSocket, FastAPI*

[Code](#)

- Real-time anti-money-laundering surveillance scoring live Bitcoin transactions via a transaction graph and machine learning ensemble; subgraph-explained alerts with LLM-drafted SARs at single-digit-millisecond latency.

QUORUM - AI Investment Committee — *Multi-Agent, SEC EDGAR, FRED, Backtesting*

[Code](#)

- Multi-agent system converging on a documented allocation with deterministic, point-in-time numbers; backtested against the S&P 500 (SPY) with a human-in-the-loop approval gate.

CERTIFICATIONS

CFA Level I - Chartered Financial Analyst Program (Candidate, 2026). **Gen AI and Data Science Bootcamp** - Codebasics.

Data Engineering Bootcamp - Codebasics.

EDUCATION

Frankfurt School of Finance and Management

2026 – 2028

MSc Artificial Intelligence and Data Science

Frankfurt, Germany

Vellore Institute of Technology (VIT)

2021 – 2025

B.Tech, Information Technology - CGPA: 8.36 / 10

Vellore, India

ADDITIONAL INFORMATION

Leadership: Operations and Marketing Head, ACM Student Chapter (VIT) - raised \$11K via 200+ outreach cycles; ran events for 500+ participants. Volunteer Educator - taught AI and Python to 250+ students. **Languages:** English (Fluent), Hindi (Native), German (A1), French (Elementary).