

LALIT SATVIK SURISSETTY

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PROFESSIONAL SUMMARY

B.Tech Computer Science graduate with cross-functional experience spanning software engineering, data analytics, and risk management. Built systems ranging from BI dashboards and LLM-based agents to cloud-backed risk infrastructure and ML classification models, backed by hands-on risk-analyst experience at a Dubai-based contracting firm. Proficient in Python, SQL, JavaScript/TypeScript (React, Next.js), and REST API development, with additional grounding in ML frameworks (PyTorch, TensorFlow, Scikit-Learn) and Stanford certifications in supervised learning. Coordinated 500+ team members as Associate Director of SRM's Model United Nations Society.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript/TypeScript, SQL, C++ (OOP), HTML, CSS
- **Web & Backend:** React, Next.js, Django, FastAPI, REST APIs
- **ML & Data Science:** PyTorch, TensorFlow, Scikit-Learn, XGBoost, Pandas, NumPy, Computer Vision
- **Databases & BI:** MySQL, PostgreSQL, MongoDB, Power BI, Tableau
- **Tools & Domain:** Docker, Git, GitHub Actions, pytest, AWS (RDS, Lambda, QuickSight), FIDIC, FinTech, Risk Analytics

EXPERIENCE

CITIC Middle East Contracting L.L.C

Dubai, UAE

Junior Risk Analyst

Jun 2025 - Jul 2026

- Logged and maintained ~800 risk-register entries across 5 active projects in Amazon RDS with controlled access.
- Reviewed FIDIC-based clauses on ~80 contracts with the legal team, flagging liability, indemnity, and penalty exposure pre-award.
- Vetted 50 subcontractors and suppliers via due diligence; published findings through searchable Amazon QuickSight dashboards.
- Automated multi-currency (AED/USD/RMB) exposure tracking and monthly variance reporting using AWS Lambda.

Innodatatics

Hyderabad, India

BI Intern

Dec 2024 - Mar 2025

- Delivered 30 Power BI/Tableau dashboards integrating 8 data sources for business, risk, and ESG reporting.
- Cleaned and transformed 8 core business datasets using Python, SQL, Pandas, and NumPy for financial and risk analytics.
- Developed an ESG Risk & Sustainability Intelligence Platform integrating 20–30 material metrics across major ESG frameworks.

PROJECTS

CrudeWatch – Oil Market Analysis Platform

Jan 2025 - Mar 2025

- Designed a simulation testbed with a synthetic dataset calibrated to real events (2016 OPEC cuts, 2018/2022 sanctions, 2020 demand collapse) for oil-market anomaly detection.
- Compared 6 detection approaches — regression models, ARIMA/LSTM forecasting, Granger causality, and anomaly detection (Isolation Forest, Autoencoder, PPO) — to benchmark manipulation-pattern detection.

Agentic Fraud Investigation System

Feb 2026 - Mar 2026

XGBoost, Isolation Forest, Anthropic API, FastAPI, PostgreSQL, React/TypeScript, Docker

- Engineered a fraud pipeline where XGBoost + Isolation Forest scoring escalates high-risk transactions to an LLM investigation agent (Anthropic API).
- Equipped the agent with 4 tool-based signals (geolocation, transaction history, account networks, reputation); built a FastAPI + PostgreSQL backend with a React/TypeScript reviewer dashboard.

doc-unify – Document Intelligence Pipeline

Dec 2024 - Feb 2025

Ollama, PostgreSQL/pgvector, FastAPI, Next.js/TypeScript, pytest, GitHub Actions

- Architected a pipeline ingesting heterogeneous filings (PDF, image, docx, pptx) with OCR fallback, embedding content into PostgreSQL via pgvector.
- Used an LLM review step to unify schemas and flag conflicting fields across documents; validated with 79 backend tests under GitHub Actions CI.

Genomic Tumor Classification using Machine Learning

May 2023 - Mar 2024

- Built a supervised ML pipeline classifying tumor types from high-dimensional genomic/gene-expression data, including preprocessing and feature selection.
- Applied dimensionality reduction and evaluated multiple classification approaches to improve predictive performance across tumor classes.

LEADERSHIP EXPERIENCE

SRM Model United Nations Society, Chennai, India — Associate Director

May 2024 - Jul 2025

- Coordinated 500+ organizing committee members and volunteers across logistics, media, and delegate affairs; managed outreach and partner-college communications, earning Best Delegate awards across 50+ international MUN conferences.

EDUCATION

SRM University, Chennai, India — B.Tech in Computer Science Engineering (CGPA: 8.53/10)

July 2026

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems, Software Engineering

Class XII, Telangana Board (English Medium) — 89.5%, 2022 | Class X, CBSE (English Medium) — 88.5%, 2020

CERTIFICATIONS

Supervised Machine Learning, Advanced Learning Algorithms (Stanford University). **Languages:** English, Hindi, Telugu (Fluent); French, Tamil (Conversational).