

SRISAILESH

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Technical Skills

Languages: Python, C++, C, SQL(PostgreSQL), JavaScript, R

ML & AI: PyTorch, Tensorflow, Numpy, scikitlearn, Time-Series Modeling, RAG Systems, Adversarial Robustness, Quantitative Modeling

Systems: REST APIs, Microservices, Event-Driven Workflows, Data Pipelines, Feature Engineering

Tooling: Git, Docker, CI/CD

Experience

Wheels India Ltd.

Jul 2025-Aug 2025

Project Intern

Chennai, India

- Drove 12% production efficiency gain through bottleneck analysis and process redesign; deployed SPC-driven quality analytics to enable data-backed decision-making at scale.
- Proposed IoT-enabled real-time monitoring architecture aligned with predictive maintenance principles to reduce reactive downtime.

The Madras Pharmaceuticals

Jun 2025-Jul 2025

Summer Intern

Chennai, India

- Executed formulation development workflows (preformulation, granulation, QC) under GMP/ICH standards using HPLC and UV spectrophotometry; gained exposure to analytical validation, stability testing, and SOP-driven batch production.

Projects

RISKON — AI-Driven Credit Intelligence Platform | [GitHub](#)

Mar – Nov 2025

- Independently engineered an end-to-end credit risk engine with automated feature pipelines and high-frequency behavioral risk modeling; improved predictive performance by 14% via hybrid state-dynamics and interpretable ML — later adopted by Bank of India.

ADAPT — Regime-Adaptive Index Framework | [GitHub](#)

March 2025 – April 2025

- Built regime-switching multi-asset index with Bayesian volatility filters, macro-conditioned risk allocation, and explainability diagnostics for structured risk attribution and exposure transparency.

Adversarial Defense in Industrial AI | *Under Publication Review*

Jan 2026 – Present

- Developed real-time LSTM/GRU monitoring pipelines for industrial control systems with structured adversarial perturbation testing; modular evaluation framework designed for enterprise-scale deployment.

Education

Indian Institute of Petroleum and Energy (IIPE)

Aug 2024 – Present

B.Tech in Chemical Engineering

Visakhapatnam, India

CGPA: 8.19

Positions of Responsibility

180 Degrees Consulting, IIPE

Nov 2025 – Present

Founder & President

Visakhapatnam, India

- Built chapter from ground up ;structured recruitment, training, and client pipelines; led data-driven strategy engagements with NGOs and corporates.

Quizzing Club, IIPE

Oct 2024 – Present

Founder & Head of Operations

Visakhapatnam, India

- Scaled to 200+ members; organized 15+ campus and intercollegiate events; led teams to multiple national podium finishes.

Awards & Recognition

- **Winner** — FinShield Hackathon (Bank of India) | Built AI credit intelligence platform; awarded 5L Sept 2025
- **Winner** — Mary Bucknell Trophy, IIT Kharagpur Feb 2025
- **Speaker** — Bharatiya Chhatra Sansad, MIT-WPU Mar 2025
- **National Finalist** — HP Power Lab (Top 15 / 99,000+ teams) Mar 2025
- **Finalist** — Vittarth Finance Case Competition, IIT Kharagpur Apr 2025