

Contact

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Top Skills

Generative AI
Retrieval-Augmented Generation (RAG)
Streamlit

Certifications

Certified Data Science Practitioner

Sourav Sinha

Control Manager | Risk Analytics | Compliance & Fraud Detection | AI/ML, GenAI, Data Science, Automation
Hyderabad, Telangana, India

Summary

Wholesale KYC | Corporate Investment Banking | Generative AI | RAG | Agentic AI | Machine Learning | Deep Learning | Statistics | NLP | Text Mining | Control Management | Risk Management |

Experience

JPMorgan Chase & Co.
Control Manager Associate
January 2024 - Present (2 years 2 months)
Hyderabad, Telangana, India

PEP Risk & Regulatory Compliance (European Banking Program)

- Analyzed large-scale datasets to identify and mitigate 52+ regulatory risks associated with Politically Exposed Persons (PEPs).
- Built automated risk pipelines using Python (pandas, NumPy) for large-scale data processing.
- Implemented fuzzy matching algorithms to improve PEP identification accuracy and prevent mis-tagging.
- Applied NLP-based semantic search to detect hidden risk patterns across unstructured text.
- Reduced potential regulatory penalties through proactive, data-driven risk controls.

Business Description vs NAIC Code Classification (AI Model)

- Built an NLP-based semantic similarity engine using spaCy to match business descriptions with NAIC codes.
- Applied Named Entity Recognition (NER), word embeddings, and tokenization for intelligent business classification.
- Designed scalable NLP pipelines for automated regulatory taxonomy mapping.

Control Reports & Regulatory Re-performance Testing

- Reverse-engineered complex regulatory control reports and rebuilt business logic using Python.
- Conducted deep re-performance testing and uncovered 16 previously unidentified regulatory risks.
- Automated control validation and risk detection processes to improve accuracy, efficiency, and audit readiness.
- Strengthened governance and assurance frameworks through model-based validation.

Accenture

Data Scientist Senior Analyst

June 2022 - January 2024 (1 year 8 months)

Bengaluru, Karnataka, India

Genpact

Management Trainee

July 2019 - June 2022 (3 years)

Hyderabad, Telangana, India

Jeevan Ploymers Pvt Ltd

Assistant General Manager-Techno Commercial

February 2018 - June 2019 (1 year 5 months)

Hyderabad, Telangana, India

As Techno-Commercial Manager following was my responsibilities

- Vendor Management
- Supplier Development
- Inventory Management
- Supply Chain Management
- Plant In-charge
- Customer Relationship Building

Gopal Corporation Limited

QA/QC Supervisor

October 2016 - February 2018 (1 year 5 months)

Madurai, Tamil Nadu, India

- Managed and maintained quality aspects of the design and documentation related to quality system guidelines, production planning
- Communicated with production and development teams to maintain product supply and assisted in introducing new products, schemes and brands
- Production planning and ensuring smooth transition of products

- Concluded production, pricing of new brands and benchmark of brands specification with new manufacturers

Seitz India Pvt Ltd

Production Supervisor

July 2016 - September 2016 (3 months)

Gurugram, Haryana, India

- Executed entire production; mixed the chemicals, to maintain effective temperature for yielding optimum quality product
- Performed quality checks to ensure excellent product, pH test, density ball test and to run the sample on HPLC for quantifying the desired proportions of chemicals
- Engaged in Production Floor Maintenance, Lindor Machine, Liquid Injector Machine, Agitator Vessel, Packaging Machine and Screen Machine

Education

Priyadarshini Institute of Engineering and Technology, CRPF Camp
B.Tech, Chemical Engineering · (2008 - 2015)