

## Contact

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## Top Skills

PyTorch  
Fine Tuning  
LiveChat ChatBot

## Certifications

Blockchain Basics  
Leading Projects  
Excel Essential Training (Microsoft 365) (2022)  
The complete Agentic AI Engineering Course 2025  
Corporate Financial Statement Analysis

# Shivam Kole

Senior Data Analyst - AI ML Engineer @ Morningstar | Building AI Solutions, Data Engineering & AI Production  
Navi Mumbai, Maharashtra, India

## Summary

Hi, I'm Shivam Kole — a Senior Data Analyst -AI and New Technologies at Morningstar, specializing in the intersection of Artificial Intelligence and Finance.

With 3+ years of experience in financial services, I'm passionate about transforming complex data into actionable intelligence.

My work focuses on engineering and deploying scalable AI/ML solutions that enhance business outcomes. At Morningstar, I've had the opportunity to build everything from agentic AI systems and automated MLOps pipelines to advanced RAG solutions that drive data-driven decision-making.

I thrive on leading teams and collaborating with global stakeholders to ensure data integrity and deliver impactful insights.

## Key Skills & Technologies

GenAI & NLP: Expertise in building agentic AI (AutoGen, LangGraph) and scalable RAG pipelines. Proficient with LLMs (GPT, BERT, FLAN-T5), prompt engineering, and fine-tuning with LoRA/ PEFT.

☁️# ML & Cloud Platforms: Hands-on experience with ML/DL models like XGBoost, CNN, and DNN. Adept at deploying solutions on AWS (Bedrock, SageMaker, S3), GCP (Vertex AI), and Snowflake (CortexAI, Snowpark).

# Data Engineering & Databases: Skilled in creating ETL/ELT pipelines with Apache Airflow, and managing a wide range of databases including SQL, NoSQL, VectorDBs (FAISS, Pinecone), and Knowledge Graphs (Neo4j).

Financial Analysis: Deep understanding of financial statements, credit risk, earnings estimates (EPS, Capex), and key financial ratios (ROI, EBITDA).

I'm always excited to connect and discuss the future of AI in the financial technology landscape. Let's explore how we can build cutting-edge solutions together!

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## Experience

### Morningstar

Senior Data Analyst - AI and New Technologies

January 2023 - Present (2 years 10 months)

Navi Mumbai, Maharashtra, India

#### # Financial & Business Analysis :

- Analyzed broker reports for global firms, delivering earnings estimates (CFPS, Capex, EPS, DPS, Net Debt, Tax).

- Partnered with Pitchbook to classify industries, products, and keywords.

- Ensured data integrity via QA checks and audits; provided insights for decision-making.

- Led team 25+ weeks, managing planning, allocation, reporting, and global stakeholder communication.

#### # AI, ML & Data Engineering :

- Built agentic AI with AutoGen, LangGraph,

- LangChain, RAG on AWS, GCP, Snowflake.

- Deployed LLMs (BERT, FLAN-T5) with LoRA/PEFT, prompt engineering, scalable RAG pipelines.

- Developed ML/DL models (XGBoost, CNN, DNN) and NLP (spaCy, NLTK).

- Automated MLOps (Airflow) and engineered hybrid data architectures (SQL/NoSQL, VectorDBs, Snowflake) for real-time BI.

### MOTILAL OSWAL SECURITIES LIMITED

Customer Data Research Internship

November 2021 - January 2022 (3 months)

Pune, Maharashtra, India

- Conducted a structured survey with 30 respondents using convenience sampling to evaluate satisfaction levels across fund performance, service quality, and advisory support.

- Performed mutual fund analysis by comparing schemes based on NAV trends, risk-return profiles, and investor preferences.

- Carried out technical analysis of mutual fund charts to identify performance patterns and assist in investment decision-making.

- Identified that performance and consistency were the most influential factors in investment choices.
- Found that a majority of respondents rated Motilal Oswal Mutual Funds as “Very Good” or “Excellent” in both performance and service.

Delivered actionable recommendations to improve investor awareness, service delivery, and fund positioning.

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## Education

Savitribai Phule Pune University

Progressive Educational Society's Modern College of Management Studies Pune

Master of Business Administration - MBA, Marketing · (September 2020 - November 2022)

Punyashlok Ahilyadevi Holkar Solapur University, Solapur

Bachelor of Business Administration - BBA, Accounting and Finance · (2016 - 2020)

Dayanand Science College, Latur

Higher secondary education , General science · (June 2014 - February 2016)

Nutan Vidyalaya Highschool

Secondary Education , General Studies · (March 2014)