

Nirmal Mevada

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EDUCATION

Nirma University

Bachelor of Technology in Computer Engineering; CGPA:8.2/10

Ahmedabad, Gujarat

July 2016 – May 2020

EXPERIENCE

D. E. Shaw India Pvt. Ltd.

Hyderabad, Telangana

Project Lead

Jan. 2025 – Present

- Part of the FEEDS team, responsible for developing and maintaining low-latency global market data infrastructure for trading systems
- Loaded and validated 20+ years of Futures data for 35+ exchanges (120+ contracts)
- Managed team of 4 to load and validate 20+ yrs of NSE F&O data (60T+ records), addressing missing order executions

Senior Member Technical

Jan. 2023 – Dec. 2024

- Developed data quality framework validating market data across exchanges and alert downstream applications; capable of validating 15+ years of data for 12 strategies in 3 days
- Managed 20+ years of Bonds historical data loading and validations (cross-source) for 5+ exchanges
- Designed Kafka publishing framework for UI applications achieving sub-minute latency with minimal config

Member Technical

Dec. 2020 – Dec. 2022

- Automated Exchange-Driven-Changes (EDCs), reducing TAT by 60%
- Implemented Crypto data pipeline for 6+ exchanges (150+ symbols), developing websocket recorders supporting 25k-level order books
- Built a real-time log parsing system for 1000+ processes using the ELK stack

Samsung R&D Institute

Noida, Uttar Pradesh

Software Developer Intern

Jan. 2020 – April 2020

- Worked as part of Camera Systems team.
- Implemented a U-Net-based deep learning model for real-time image de-blurring

PROJECTS

Single Feed Integrity Checker | *Python*

June 2024 – Present

- Developed a framework to validate market data integrity and alert downstream applications
- Demonstrated POC validating 15+ years of data for 12 strategies in 3 days; capable of handling millions of records across 50+ feeds with sub-minute latency

Data comparator and Analysis Tool | *Python, DJS/HighCharts, DataFrames/Pandas*

Jan. 2023 – July 2023

- Python based framework to compare and analyze market data using Charts; supporting various data formats, types (L1, L2, L3) and latency parameters.
- Generates interactive multi-series charts with aggregations and supports parallelism for large datasets

Log Parsing and Analysis Tool | *Python, LogStash, Influx/ElasticSearch, Grafana*

Mar. 2022 – Nov. 2022

- Developed real-time log parsing and monitoring system with ELK stack
- Demonstrated POC for 1000+ processes across distributed servers achieving latency in seconds.

TECHNICAL SKILLS

Languages: Python, C/C++, Java

Frameworks/Tools: Grafana, Kafka, LogStash, Influx, ElasticSearch

Developer Tools: Git, Jupyter, VS Code

Libraries: Pandas, NumPy