Yadnesh Chowkekar

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Summary

Data Analytics graduate student at Northeastern University specializing in ML-based financial systems and predictive modeling. Expertise in Python, SQL, machine learning, and building end-to-end automated solutions with proven track record in anomaly detection and business intelligence for institutional investors.

Education

Northeastern University   **Boston, MA**
Masters in data Analytics (GPA- 3.9)   *Jan 2025-Dec 2026*

Mumbai University   **Mumbai, MH**
Bachelor of Computer Science (GPA- 8.2/10)   *June 2018-July 2022*

Work Experience

National Stock Exchange India   **Mumbai, MH**
Senior System Analyst (Full Time)   *Aug 2024-Dec 2024*
- Managed junior analysts and coordinated with senior leadership on strategic NCMS initiatives.
- Delivered C-level presentations proposing technical solutions for database optimization.
- Created automated monitoring systems for real-time anomaly detection and efficiency improvements.

System Analyst/ Software Developer (Full Time)   *Dec 2023-Aug 2024*
- Optimized NCMS Java application by developing critical business requirements and eliminating hurdles.
- Deployed ISRM (SaaS) component for seamless packet transfer between NSE and BSE exchanges.
- Created automated testing frameworks for large-scale trade anomaly detection.

Associate System Analyst (Full Time)   *Nov 2022-Dec 2023*
- Spearheaded code optimization and vulnerability elimination for NCMS Java application.
- Developed complex SQL queries for large-scale trade analysis and risk management.
- Implemented automated testing frameworks for high-volume trading system operations.

Larsen & Toubro   **Mumbai, MH**
Full Stack Developer Intern (Internship)   *July 2021-Sept 2021*
- Built complaint portal using PHP/MongoDB/MySQL processing 10K+ daily complaints with automated routing reducing assignment time by 60%.
- Implemented role-based access control and real-time monitoring dashboards for system administration.

Certification

International Institute of Information Technology (Part-Time)   **Mumbai, MH**
Advanced Data Science Program (GPA- 3.9)   *Feb 2024-Nov 2024*

Skills

- **Programming & Databases:** Python, SQL (PostgreSQL, Oracle), R, Java
- **Data Science & ML:** Scikit-learn, TensorFlow, PyTorch, Keras, NLP, LLM Fine-tuning
- **Data Viz & BI:** Tableau, Power BI, Qlik, Databricks, Excel, KPI Tracking
- **Tools & Platforms:** AWS, Azure, Docker, Kubernetes, Git, CI/CD, Hadoop, Linux, MongoDB
- **Soft Skills:** Analytical Thinking, Problem Solving, Team leader, Technical Proficiency, Attention to Detail

Projects

AI-Driven Options Trading System (AI/ML)
- Developed financial ML platform using Python, FastAPI, and PostgreSQL with Alpha Vantage API integration, implementing ensemble models for stock prediction and options trading strategies with walk-forward validation achieving positive R^2 scores across multiple targets including volatility forecasting.

Asteroids Classification
Machine learning system predicting Earth-impact threats from NASA orbital data with 92% accuracy.

Coursework

- Machine Learning, Deep Learning, Time Series Analysis, Big Data Analytics, NLP, Database Management, Cloud Computing, Statistical Modeling, Financial Analytics, Real-time Processing.